AMERICAN MEN OF SCIENCE The Societies is and Behavioral Sciences

ELEVENTH EDITION

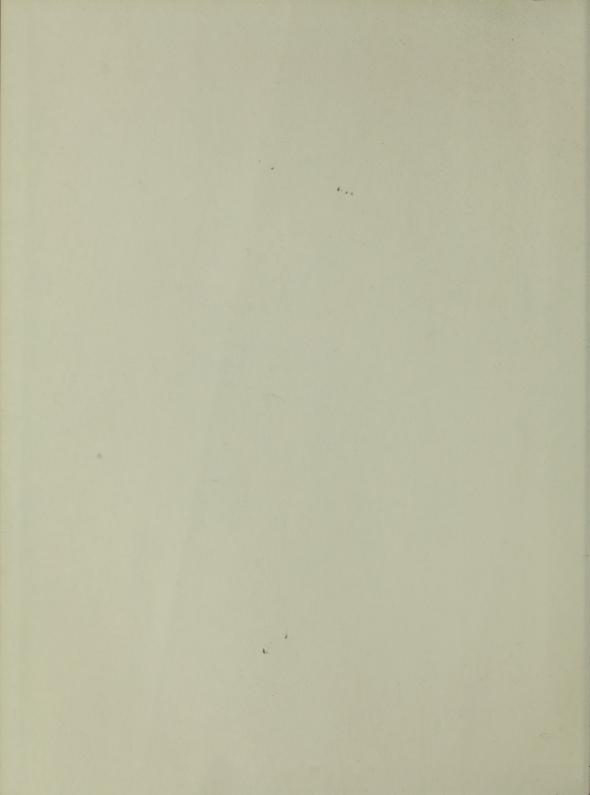
公司以及其外人的公司



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AMERICAN MEN OF SCIENCE

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AMERICAN MEN OF SCIENCE

A BIOGRAPHICAL DIRECTORY

Edited by The Jaques Cattell Press

ELEVENTH EDITION

The Social & Behavioral Sciences

SUPPLEMENT 1

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Editors' Preface

With this volume, the first Supplement to the Social and Behavioral Sciences, seven Supplements to the 11th Edition of AMERICAN MEN OF SCIENCE have been published.

Beginning with the Third Edition published in 1921, new editions have appeared at approximately five-year intervals. But with the rapid growth in all fields of science during the past two decades, there has been an increasing demand for more current information on the American scientific community. To publish new editions at more frequent intervals seemed impractical—the current 11th Edition ran six volumes for the Physical and Biological Sciences, with some 130,000 entries, and two volumes for the Social and Behavioral Sciences, with 30,000 biographies. Therefore, to meet this demand, the publisher and editors have undertaken a series of Supplements.

Paperbound Supplement 1, for the Physical and Biological Sciences, was published in July, 1966, and covered the alphabet from A-G; clothbound Supplement 2, March, 1967, cumulated the information from Supplement 1 and gave new data for A-K. Paperbound Supplement 3, July, 1967, supplied new material for A-O, and clothbound Supplement 4, February, 1968, cumulated the data from Supplement 3 and gave new information for A-Sr. Supplement 5, April, 1969, and Supplement 6, February, 1970, both covered the alphabet from A-Z but did not cumulate data from the other Supplements.

The six volumes embracing the Physical and Biological Sciences were published as follows: the A-C and D-G in May and December, 1965, the H-K and L-O in May and December, 1966, and the P-Sr and St-Z in May and December, 1967. The two volumes covering the Social and Behavioral Sciences were published in September, 1968.

The Supplementary Service includes complete biographies of scientists whose data were received too late for the base volumes or who have become eligible for inclusion since these volumes were published. The criteria for inclusion in AMERICAN MEN OF SCIENCE remain the same for the Supplements:

- 1. Achievement, by reason of experience and training, of a stature in scientific work at least equivalent to that associated with the doctorate degree, coupled with presently continued activity in such work; or
- 2. Research activity of high quality in science as evidenced by publication in reputable scientific journals; or, for those whose work cannot be published because of governmental or commercial or industrial security, research activity of high quality in science as evidenced by the judgment of the individual's peers among his immediate co-workers; or
- 3. Attainment of a position of substantial responsibility requiring scientific training and experience of approximately the extent described for (1) and (2).

In addition, the Supplements are designed to give significant new data on scientists whose biographies appear in the base volumes. This information covers changes in position and address, deceased notices, and a few other items of importance. It must be remembered that the Supplements are not intended to take the place of full revisions and should be used in conjunction with the complete biographies given in the base volumes or Supplements of the current edition. Therefore, identical information has not been repeated and the following have been held for the 12th Edition, scheduled to begin publication in 1970:

v

Personal data, such as marriage and additional children.

Corrections in dates or other refinements in educational data, past positions, and affiliations.

Society memberships, fellows, election to office, and awards and decorations.

Alterations to Military Service entries.

Changes in publications or field of research.

Some corrections to past information have been included in cases when the error or omission detracted from an individual background.

As in the Supplements for the Physical and Biological Sciences, new information was obtained for this Supplement by sending questionnaires to scientists whose complete biographies were included in the base volumes of the Social and Behavioral Sciences. The response has been gratifying. Many have replied to this appeal who have not responded to similar requests for previous editions. We are deeply appreciative of the time and trouble involved in sending detailed information. Much has been received that will make the 12th Edition revisions even more complete.

Pertinent new information was included in the cumulative Supplement 2 for approximately 9500 scientists whose biographies are to be found in the base volumes of the Physical and Biological Sciences of the 11th Edition, plus some 2500 new biographies. Cumulative Supplement 4 added new data for 13,650 others, as well as 4700 new biographies. Supplement 5 gave new information for over 17,000 scientists whose entries appear not only in the base volumes but also in the previous Supplements, and some 8800 new biographies. Supplement 6 included new data for more than 17,500 as well as approximately 8800 new biographies.

The first Supplement to the Social and Behavioral Sciences, presented in this volume, provides new information for more than 4400 scientists whose biographies are to be found in the base volumes, as well as approximately 3800 new biographies. Among the new biographies are a few whose entries appeared in earlier editions but who were not located in time for publication and, as a result, had only a reference in the 11th Edition. Subsequently, new addresses were found and their complete biographies are given in this Supplement.

It has been the aim of the editors to include essential new information. Suggestions and criticism on our selection will be welcome so that any succeeding issues of the Supplements can be made increasingly valuable to users of AMERICAN MEN OF SCIENCE.

The continued cooperation of the vast number of individuals and organizations interested in science has made this compilation possible. Acknowledgement is gratefully extended to the Advisory Committee, to the individual scientists, to all scientific societies, and to the university and colleges of the United States and Canada for their continued assistance and cooperation. Sincere appreciation is due to the guidance and support of Mrs. Anne J. Richter, until recently Editor-in-Chief of the Book Editorial Department of the R. R. Bowker Company.

Every effort has been made to avoid errors in the listings—with the certain knowledge that some have escaped us. We have used our best efforts to edit the material submitted within the scope of the established format, but have no legal responsibility for accidental omissions or errors in entries.

Dorothy Hancock, Managing Editor American Men of Science

Fred Scott, Resident Manager, The Jaques Cattell Press

Malcolm Johnson, Vice President and Editorial Director, Book Division R. R. Bowker Company

Abbreviations

American Men of Science has tried to economize on punctuation since the first edition published in 1906, and has used only one punctuation mark at any point. Also, since many societies have the same initials, it has been found necessary to use abbreviations in place of initial letters, for their titles. These abbreviations are generally self-explanatory, or can be found in the following list:

AAAS-American Association for the Advancement of Science abnorm-abnormal abstr-abstractor
accad-academic, academy
acct-account, accountant, accounting
adj-adjunct, adjutant
adjust-adjustment
Adm-Admiral
adminal-administration, administrative
adminstr-administrator
adv-advanced, advancement, adviser, advisory adv-advanced, advancement, adviser, advisory advert-advertisement aerodyna-erodynamic(s) aeronaut-aeronautic(s), aeronautical aerophys-aerophysical, aerophysics agr-agricultural, agricultura geron-agronomic, agronomical, agronomy agrost-agrostologic, agrostological, agrostology Ala-Alabama allergol-allergological, allergology Alta-Alberta Am-America, American anal-analysis, analytic, analytical analog-analogue anat-anatomic, anatomical, anatomy anesthesiol-anesthesiology angiol-angiology ane sthesiol—ane sthesiology
angiol—angiology
Ann—Annal(s)
anthrop—anthropological, anthropology
anthrop—anthropometric, anthropometrical, anthropometry
antiq—antiquarian, antiquary, antiquities, antiquity
apicult—apicultural, apiculture
APO—Army Post Office
app—appoint, appointed
appli—application
App—Appill
apt—application
Apr—Aprill
apt—apartment(s)
aquacult—arbitration
Arch—Archives Arch—Archives archaeol—archaeological, archaeology archit—architectural, architecture Ark-Arkansas artil-artillery
Asn-Association
assoc(s)-associate(s), associated
asst-assistant astr-assistam astrodyn-astrodynamics astron-astronomical, astronomy astronaut-astronautical, astronautics astronr-astronomer astrophys—astrophysical, astrophysics attend—attendant, attending audiol—audiology Aug-August auth-author avicult-avicultural, aviculture bact-bacterial, bacteriologic, bacteriological, bacteriology B.C-British Columbia bd-board behav-behavior, behavioral behav-behavior, behavioral
bibliog-bibliographic, bibliography
biochem-biochemical, biochemistry
biol-biological, biology
biomet-biometric(s), biometrical, biometry
biophys-biophysical, biophysics
blidg-building
blvd-boulevard
bot-botanical, botany
br-branch
Brig-Brigadier

Brig-Brigadier

Brit-Britain, British Brit-Britain, Brit Bro(s)-Brother(s) bryol-bryology Bull-Bulletin bur-bureau bus-business B.W.I-British West Indies c-children, corps Calif-California Can-Canada, Canadian cand-candidate Capt - Captain cardiol - cardiology cardiovasc-cardiovascular cartog—cartographic, cartographical, cartography Cath—Catholic C.Eng—Corps of Engineers cent—central Cent. Am-Central America cert-certificate, certified chap-chapter chem-chemical(s), chemistry chmn-chairman citricult-citriculture climat-climatological, climatology clin(s)-clinic(s), clinical cmn(s)-commission(s) cmnr-commissioner cmt(s)-committee(s) co-companies, company, county co-auth-co-author co-ed-co-editor
col(s)-college(s), colonel
collab-collaboration, collaborative, collaborator
Colo-Colorado Comdr-Commander
commun-communicable, communication(s)
compu-comparative
comput-computation, computer(s), computing
conchol-conchology conf-conference cong-congress(es) Conn-Connecticut conserv—conservancy, conservation conservy—conservatory consol-consolidated, consolidation construct-construction consult-consultant, consulting contrib-contributing, contributor coop-cooperation, cooperative coord-coordinating, coordination cor-corresponding corp-corporate, corporation coun-council, councilor counsr-counselor criminol-criminological, criminology crystallog-crystallographic, crystallographical, crystallography C.W.S-Chemical Warfare Service cybernet-cybernetic(s) cytol—cytological, cytology C.Z—Canal Zone Czech—Czechoslovakia D.C-District of Columbia

Dec-December Del-Delaware

del-delegate, delegation demog-demographic, demography demonstr-demonstrator dendrol—dendrologic, dendrological, dendrology dent—dental, dentistry dep-deputy
dept-department
dermat-dermatologic, dermatological, dermatology

ABBREVIATIONS

develop—development, developmental diag—diagnosis, diagnostic dipl—diploma, diplomate dir(s)—director(s), directory dist—district div-division, divorced document-documentation Dom-Dominion Dr-Doctor, Drive e-east east-eastern

east-eastern
ecol-ecological, ecology
econ(s)-economic(s), economical, economy
economet-econometric(s)
ed-edition, editor, editorial, education, educational
elec-electric, electrical, electricity
electroencephalog-electroencephalographic, electroencephelectrophys-electrophysical, electrophysics

electrophys—electrophysical, electrophysics elem—elementary embryol—embryologic, embryological, embryology emer—emeritus employ—employment encyclop—encyclopedia endocrinol—endocrinologic, endocrinology

encyclop—encyclopedia
endocrinol-endocrinologic, endocrinology
eng—engineering
Eng—England, English
engr(s)—engineer(s)
enol—enology
Ens—Ensign
entom—entomological, entomology
environ—entomological, entomology
environ—entomological, entomology
epidemiol—epidemiologic, epidemiological, epidemiology
epidemiol—epidemiologic, epidemiological, epidemiology
espec—especially
estab—established, establishment
ethnog—ethnographic, ethnographical, ethnography
ethnol—ethnologic, ethnological, ethnology
eval—evaluation
evangel—evangelical
evec—evening
exam—examination, examiner(s)
except—exceptional
exec(s)—executive(s)
exhib(s)—exhibition(s)
exp—experiment, experimental
exped(s)—expedition(s), exploratory
expos—exposition
exten—extension

Feb-February fed-federal
fedn-federation
fel(s)-fellow(s), fellowship(s)
fermentol-fermentology fertil-fertility Fla-Florida
floricult-floricultural, floriculture

for-foreign found-foundation FPO-Fleet Post Office Ft-Fort

Ga-Georgia gastroenterol-gastroenterology Ga-(ecorga
gastroenterol-gastroenterology
gen-general
geneal-genealogical, genealogy
geod-geodesy, geodetic
geog-geographic, geographical, geography
geod-geographic, geographical, geography
geod-geometric, geometrical, geometry
geom-geometric, geometrical, geometry
geophys-geophysical, geophysics
geriat-geriatric(s)
geront-gerontological, gerontology
glaciol-glaciology
gov-governing, governor(s)
govt-government, governmental
grad-graduate
Gt. Brit-Great Britain
guid-guidance
gym-gymnasium
gynec-gynecologic, gynecological, gynecology

helminth—helminthology
hemat—hematologic, hematological, hematology
hemat—hematologic, herpetological, herpetology
hist—historical, history
histol—histological, histology
hochsch—hochschule
homeop—homeopathic, homeopathy
hon—honorable, honorary
hort—horticultural, horticulture
hosp(s)—hospital(s)
h—headquarters
HumRRO—Human Resources Research Office
husb—husbandry -husbandry

hwy—highway hydrauli—hydraulic(s) hydrodyn—hydrodynamic(s) hydrol—hydrologic, hydrological, hydrology hyg—hygiene, hygienic(s)

ichthyol-ichthyological, ichthyology III—Illinois
illum—illuminating, illumination
immunol—immunologic, immunological, immunology immunol—immunologic, immunological, ii Imp—Imperiori improv—improvement Inc—Incorporated Ind—Indiana indust(s)—industrial, industries, industry info—information info-information
inorg-inorganic
ins-insurance
inst(s)-institute(s), institution(s)
inst(n)-institution
instr(s)-instruction, instructor(s)
int-international
intel-intelligence
introd-introduction
invert-invertebrate
invest(s)-investigation(s)
investr-investigator
irrig-irrigation

J—Journal Jan—January jour—journal jurisp-jurisprudence

Kans-Kansas Ky-Kentucky

La—Louisiana
lab(s)—laboratories, laboratory
lang—language(s)
laryngoi—laryngology
lect—lecture
legis—legislation, legislative, legislature
L.i—Long Island
lib—liberal
libmol-limnological, limnology
ling—linguistic(s)
lit—literary, literature
lithol—lithologic, lithological, lithology
Lt—Lieutenart
Ltd—Limited Ltd-Limited

m-married mach-machine(s), machinery mag-magazine mag-magazine
maj-major
malacol-malacology
mammal-mammalogy
Man-Manitoba
Mar-March
Mass-Massachusetts
mat-material(s) Mass—Massachusetts
mat—material(s)
mat. med—materia medica
math—mathematic(s), mathematical
Md—Maryland
mech—mechanic(s), mechanical
med—medical, medicina
mem—member, memoirs, memorial
metla—metalolic, metabolism
metall—metalolic, metabolism
metall—metallurgtc, metallurgical, metallurgy
metallog—metallographysics
meteorol—meteorological, meteorology
metrol—metrological, metrology
metrol—metropolitan
Mex—Mexico
mfg—manufacturing
mfr(s)—manufacturie(s), manufacturer(s)
mgr—manager
mgt—manager
mgt—manager
micos—microseopic, microscopical, microscopy
mid—middle micros-microscopic, microscopical mid-middle mil-military mineral-mineralogical, mineralogy Mins-Minesota Miss-Mississippi mkt-market, marketing Mo-Missouri mod-modern monogr-monograph Mont-Montana

ABBREVIATIONS

morphol-morphological, morphology mt-mount, mountain(s) munic – municipal mus—museum(s) musicol—musicological, musicology mycol—mycologic, mycology

n-north
NASA—National Aeronautics & Space Administration
nat-national, naturalized
NATO—North Atlantic Treaty Organization
navig-navigation
NB—New Brunswick
N.C—North Carolina N.Dak-North Dakota Nebr-Nebraska nematol-nematology neurol-neurological, neurology neuropath-neuropathological, neuropathology neuropsychiat-neuropsychiatric, neuropsychiatry Nev-Nevada Nev - Nevada
New Eng-New England
New York-New York City
Newf-Newfoundland
N.H-New Hampshire
N.J-New Jersey
N.Mex-New Mexico nonres-nonresident norm-normal north-northern northeast-northeastern northwest-northwestern Norweg-Norwegian Nov-November N.S-Nova Scotia N.S.W-New South Wales
N.S.W-New South Wales
numis-numismatic
nutrit-nutrition, nutritional
N.Y-New York State
N.Z-New Zealand

observ-observatory obstet-obstetric(s) obstet-obstetric(s)
occup-occupation, occupational
occanog-oceanographic, oceanographical, oceanography
oceanogr-oceanographic, oceanography
oceanogr-oceanographe
Oct-October
odontol-odontology
OEEC-Organization for European Economic Cooperation
off-office, official
Okla-Oklahoma
olericult-olericulture
oncol-oncologic, oncology
Ont-Ontario oncol-oncologic, oncology
Ont-Ontario
oper(s)-operation(s), operational, operative
ophthal-ophthalmologic, ophthalmological, ophthalmology
optom-optometric, optometrical, optometry
ord-ordnance
Ore-Oregon org—organic
orgn—organization(s), organizational
ornith—ornithological, ornithology
orthod—orthodontia, orthodontic(s) orthop-orthopedic(s)
osteop-osteopathic, osteopathy
otol-otological, otology
otolaryngol-otolaryngologic, otolaryngology
otorhinol-otorhinologic, otorhinology

Pa-Pennsylvania Pac-Pacific Pac-Pacific
paleobot-paleobotanical, paleobotany
paleont-paleontological, paleontology
Pan-Am-Pan-American
parasitol-parasitology
path-pathologic, pathological, pathology
pedag-pedagogic(s), pedagogy
pediat-pediatric(s)
P. E.I.-Prince Edward Islands
penol-penological, penology
perological, penology
perological, penology
perological, penology
perological, penology
perological, perographical, petrography
perography petrogr-petrographer
petrol-petroleum, petrologic, petrological, petrology petrois-petroisean, petroiseg-petroisean, petroiseg-pharm-pharmaceutic(s), pharmaceutical(s) pharmaceg-pharmaceologics, pharmaced-pharmacologic, pharmacological, pharmacology Phila-Philadelphia Phila—Philadelphia
philologica, philology
philos—philosophica, philosophy
philos—philosophica, philosophy
photos—photography
photography
photography
photography
photography
photography
photometric, photometrical, photometry
phycol—phycology
phys—physical
physiog—physiographic, physiographical, physiography
physio—physiographic, physiographical, physiography
physio—physiological, physiology
phys—parkway
polit—political, politics

polytech—polytechnic
pomol—pomological, pomology
pop—pomulation
postgrad—postgraduate
P.R—Puerto Rico
prehist—prehistoric, prehistory
prep—preparation, preparative, preparatory
pres—president
Pres—prevention, preventive
prfnl—professional
prin—prinessional prin-principal prob(s)-problem(s) prin-principal
proble-problem(s)
probla-problem(s)
probla-probation
proc-proceedings
proctol-proctologic, proctological, proctology
prod-product(s), production, productive
prof-professor, professorial
progle-program(s), programming
proj-project(s), projectional, projective
prom-promotion
prov-province, provincial
psychola-psychatric, psychiatry
psychoanal-psychoanalysis, psychoanalytic, psychoanalytical
psychol-psychological, psychology
psychomet-psychological, psychophysics
psychophysiol-psychophysiological, psychophysiology
psychomen-psychophysiological, psychophysiology
psychomen-psychophysiological, psychophysiology
psychomen-psychophysiological, psychophysiology
psychomen-psychophysiological, psychotherapy
publ-public, publishing
publ-public, publishing
publ-publication(s)

qm—quartermaster Qm. Gen—Quartermaster General qual—qualitative, quality quant—quantitative quart-quarterly Que-Quebec

radiol-radiological, radiology
R.A.F.-Royal Air Force
R.A.F.V.R.-Royal Air Force Volunteer Reserve
R.A.F.V.R.-Royal Army Medical Corps
R.A.M.C.R.-Royal Army Medical Corps
R.A.M.C.R.-Royal Army Medical Corps
R.A.S.C.R.-Royal Army Ordnance Corps
R.A.S.C.R.-Royal Army Service Corps
R.A.S.C.R.-Royal Army Service Corps
R.A.S.C.R.-Royal Canadian Air Force
R.C.A.F.-Royal Canadian Air Force Royal Canadian Royal Royal Canadian Royal Royal Canadian Naval Roserve
R.C.N.R.-Royal Canadian Naval Roserve
R.C.N.R.-Royal Canadian Naval Volunteer Reserve
R.C.N.R.-Royal Canadian Naval Volunteer Reserve
R.C.N.R.-Royal Canadian Naval Volunteer Reserve
R.C.N.R.-Royal Canadian Naval Volunteer Reserve rd-road R.D-Rural Delivery R.E-Royal Engineers ref-refining refrigeration registr—registrar registrn—registration rehab—rehabilitation rel(s)—relation(s), relative rel(s)-relation(s), relative relig-religion, religious R.E.M.E.-Royal Electrical & Mechanical Engineers rep-representative repub-republic res-research, reserve, resident ret-retired ret-retired
rev-review, revised
rhet-rhetoric, rhetorical
R.I.-Rhode Island
R.M.-Royal Marines
R.N.-Royal Naval Reserve
R.N.R.-Royal Naval Reserve
R.N.R.-Royal Naval Volunteer Reserve
R.N.-Royal Naval Naval Volunteer Reserve
R.N.-Royal Naval Royal Naval Volunteer Reserve
R.N.-Royal Naval Naval Volunteer Reserve
R.N.-Royal Naval Naval Volunteer Reserve
R.N.-Royal Naval Volunteer Reserve

s-south
S.Africa-South Africa
S.Am-South America, South American
sanit-sanitary, sanitation
Sask-Saskatchewan
S.C-South Carolina
sch(s)-school(s)
scholar-scholar-ship
sci-science(s), scientific
S.Dak-South Dakota
SEATO-Southeast Asia Treaty Organization
sec-secondary sec-secondary sect-section secy-secretary seismog-seismograph, seismographic, seismography seismol-seismological, seismology

rwy-railway

ABBREVIATIONS

sem_seminary
Sept_September
serol_serologic, serological, serology
serv_service(s)
Sgt_Seryservice(s)
Sgt_Sergeant
silvicult_silvicultural, silviculture
soc(s)_social, societies, society
sociol_sociologic, sociological, sociology
south_southern
southeast_southeastern
southwest_southeastern
southeast_southeastern
southeast_southeastern
southeast_southeastern
southeast_southeastern
southeast_southeastern
southeast_southeastern
southeast_southeastern
southeast_southeastern
southeast_southeastern
spec_respectorsocpic, spectroscopy
spectros_spectroscopy
spectros_spectroscopy
speleol_spectroscopy
spectros_spectroscopy
spectros_spectroscopy
spectros_spectroscopy
spectros_spectroscopy
spectros_spectroscopy
spectros_spectroscopy
spectros_spectroscopy
spectros_spectroscopy
spectros_spectroscopy
stratist_statistical, statistics
stomatol_stomatology
stratis_stratistical, statistics
stomatol_stomatology
stratis_stratistical, statistics
subcmt_subcommittee
subj_subcmt_subcation
suppl_supplement(s), stratigraphy
subcmt_substation
suppl_supplement(s), supplemental, supplementary
supt_supr_indender
supr_supervisory
supr_supervisory
sur_sure_suprical, surgery
sur_sure_surelal, surgery
surt_surelal, surgery
surelal, surger

taxon-taxonomic, taxonomy
tech-technical, technique(s), technological, technology
tech-technical, technique(s), technological, technology
tel-telegraph(y), telephone
Tenn-Tennessee
Tex-Texas
theol-theological, theology
theoret-theoretical
ther-therapy
therapet-theraputcic(s)
therapet-theraputcic(s)
therapet-theraputcic(s)
thope-topographic, topographical, topography
toxicol-toxicologic, toxicological, toxicology
trans-transactions
transl-translation(s), translator
treas-treasurer, treasury
trop-tropical
tubero-tuberculosis
TV-television
typ-township

U.A.R—United Arab Republic U.K—United Kingdom UN—United Nations unemploy—unemployment UNESCO-United Nations Educational Scientific & Cultural Organization
UNICEF-United Nations International Childrens Fund
univ(s)-universities, university
UNRRA-United Nations Relief & Rehabilitation Administration
urol-urologic, urological, urology
U.S.-United States
U.S.A.-U.S. Army Relief & Rehabilitation Administration
urol-urologic, urological, urology
U.S.-A.-U.S. Army Air Force
U.S.A.-U.S. Army Air Force Reserve
U.S.A.-V.S. Army Air Force Reserve
U.S.A.-F. H.-U.S. Army Reserve
U.S.A.-F. H.-U.S. Arm Force Reserve
U.S.A.-F. H.-U.S. Arm Reserve
U.S.A.-F. H.-U.S. Coast Guard
U.S.A.-F. H.-U.S. Coast Guard Reserve
U.S.N.-W.S. Coast Guard Reserve
U.S.N.-W.S. Navi
U.S.N.-Y.S. Navi
U.S.N.-U.S. Navi
U.S.N.-W.S. Navi

Va-Virginia
veg-vegetable(s), vegetation
vent-ventilating, ventilation
vert-vertebrate
vet-veteran(s), veterinarian, veterinary
vinicult-viniculture
virol-virological, virology
vis-visiting
voc-vocational
vols(s)-volume(s), voluntary, volunteer(s)
v,pres-vice president
Vt-Vermont

w-west
W.A.C-Women's Army Corps
Wash-Washington, D.C.
W.A.V.E.S-Women Accepted for Voluntary Emergency Service
west-western
WHO-World Health Organization
W.I-West Indies
wid-widow, widower
Wis-Wisconsin
W.R.C.N.S-Women's Royal Canadian Naval Service
W.R.N.S-Women's Royal Naval Service
W.Va-West Virginia
W.Vo-Woming

YMCA-Young Men's Christian Association YWCA-Young Women's Christian Association

zool-zoological, zoology

AMERICAN MEN OF SCIENCE

SUPPLEMENT 1

A

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- AAKER, DR. DAVID A, b. Fargo, N.Dak, Feb. 11, 38; m. 63; c. 2. MARKET-ING, OPERATIONS RESEARCH. B.S, Mass. Inst. Tech, 60; M.S, Stanford, 67, Ph.D.(mkt), 69. Prod. sales mgr. Tex. Instruments, Inc, 60-65; ASST. PROF. MKT. STATIST, CALIFORNIA, BERKELEY, 68-Mkt. Asn; Inst. Mgt. Sci; Psychomet. Soc; Opers. Res. Soc. Stochastic, buyer behavioral and advertising models; consumerism. Publ: Co-auth, Consumerism: search for the consumer interest, Free Press, 70; auth, A probabalistic approach to industrial media selection, J. Advert. Res. 9/68 & The mother intered stochastic model of brand choice. Mgt. Sci, winter 70. Address: Dept. of Marketing, University of California School of Business Administration, Berkeley, Calif. 94720.
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- ABBASS, PROF. ABDUL MAJID, b. Qula'at-Sicker, Iraq, Dec. 25, 11; m. 41; c. 6. INTERNATIONAL RELATIONS. B.A, Chicago, 36, M.A. 38, Ph.D. (Intrels), 39. Minister agr. Govt. Iraq, 54; mem. bd. dirs, Govt. Oil Refineries Admin, Iraq, 55-58; ambassador & chief permanent del. of Iraq, UN, 58; vis. prof, Mid.E. studies, American Univ, 59-61; vis. prof, GOVT, SOUTHERN ILLINOIS, 52, PROF, 63- Leetr, Inst. Lang, & Ling, Georgetown, 59-60; vis. prof, Univ. Libya, 62, Ford Found. grant, vis. prof, Univ. Jordan, 68-69. Consult, \$9ec. Opers. Res. Off, 62. Citation, Glassboro State Col, 60. Asn. Polit. Sci; Soc. Int. Law, Soc. Pub. Admin. International relations, especially Middle East affairs. Publ. Essentials of jurisprudence (in Arabic), 46 & Principles of international law (in Arabic), 49, Govt. of Iraq; Counterinsurgency in Palestine 1936-39, In. Social and political systems, Spec. Opers. Res. Off, American Univ, 65. Address: 1206 W. College, Carbondale, III. 62901.
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- ABELES, PROF. CHARLES J. Foreign Languages. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.
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- ABERNETHY, DR. DAVID BEAVEN. Political Science, Comparative Politics. See A.K Vol, 11th ed, Soc. & Behav. Vols. Publ: The political dilemma of popular education—an African case, Stanford, 69 (title changed from: Educational Expansion and political development—an African case). Address: Institute of Political Studies, Stanford University, 550 Salvatierra St, Stanford, Calif. 94305.
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- ABRAM, DR. HARRY SHORE, b. Roanoke, Va, Mar. 25, 31; m. 56; c. 4. PSY-CHIATRY, B.S. Northwestern, 52; M.D. Virginia, 55. Clin. & res. fel. psychiat, Harvard Med. Sch. 59-61; instr. PSYCHAIT, SCH. MED, VIR-GINIA, 61-64, asst. prof, 64-67, ASSOC. PROF, 67-; DIR. PSYCHIAT. CONSULT. SERV. UNIV. VIRGINIA HOSP, 68-, CO-DIR, RENAL DIALYSIS UNIT, 65- Nat. Inst. Ment. Health career teacher award, 61-63. AAAS; Am. Med. Asn; fel. Psychiat. Asn; Psychosom. Soc; N.Y. Acad. Sci. Psychological aspects of surgery, Little, Toronto, 68; co-auth, Patients' attitudes toward psychiatric consultations in the general hospital, Va. Med. Monthly, 94: 342-347; auth, The psychiatrist, the treatment of chronic renal failure, and the prolongation of life, Am. J. Psychiat, 124: 1351-1358. Address: Dept. of Psychiatry, University of Virginia School of Medicine, Charlottesville, Va. 22901.
- ABRAMOV, DR. ISRAEL, b. Bulawayo, S.Rhodesia, June 23, 38; m. 62; SENSORY PHYSIOLOGY, BIOPHYSICS. LL. B, London, 59, B.A, 61; fel, Indiana, 66, Ph.D. (physiol. psychol), 67. U.S. Pub. Health Serv. fel. biophys, Hopkins, 67-68; ASST. PROF. PHYSIOL. PSYCHOL, ROCKEFELLER, 68-Optical Soc. Am. Psychophysical and physiological investigation of the visual system; mechanisms of color vision. Publ: Co-auth, Analysis of response patterns of LCN cells, 7/66 & auth, Further analysis of the responses of LCN cells, 4/68, J. Optical Soc. Am; co-auth, Single cell analysis of wavelength discrimination at the lateral geniculate nucleus in the macque, J. Neurophysiol, 5/67. Address: Rockefeller University, New York, N.Y. 10021.
- ABRAMS, PROF. CHARLES, b. Vilna, Poland, Feb. 16, 02; nat; m. 28; c. 2. CITY PLANNING. LL.B, St. Lawrence, 22. Prof. govt. & lectr. econ. &

housing, grad. faculty, New Sch. Soc. Res., 38-65; PROF. CITY PLANNING & CHMN. DEPT., COLUMBIA, 85-, dir. inst. urban environ, 85-67. Mem. faculty, Pennsylvania, 51-54; vis. prof., Mass. Inst. Tech., 57-64; Williams prof. Harvard, 88-69. Columnist, N.Y. Post, 47-49. Counsr.; Housing authority, NY, 34-37; consult, U.S. Housing Authority & Fed. Pub. Housing Authority, 37-40; spec. consult, bur. Housing Mission, U.S. Dept. Interior, 51. Expert, UN Mission, Turkey & chief UN Housing Mission, Gold Coast, 54; eexpert, UN Mission, Turkey & chief UN Housing Mission, Gold Coast, 54; eexpert, UN Mission, Edistan, 57, Philippines, 59, Bolivia, 59, Japan & Ireland, 60, Colombia & India, 61; Int. Coop. Admin. Mission, B.W.I, 61, Nigeria, 62, Singapore, 63 & Kenya, 64. NY. State Rent Adminstr, 55; chmn, N.Y. State Cmn. Against Discrimination in Housing. Inst. Planners; hon. mem. Inst. Archit. Housing; land; racial problems. Publ. Forbidden neighbors, Harper Bros, 55; Man's struggle for shelter, M.I.T, 64; The city is the frontier, Harper & Row, 65. Address: 225 Broadway, New York, N.Y. 10007.

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ABRAMS, PROF. NORMAN. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

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ABRAMSON, DR. DAVID A. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir, Bur. Curriculum Develop, New York City Bd. Educ, 69- Address: 10-37 Annapolis St, Far Rockaway, N. Y. 11691.

ABU-LUGHOD, DR. JANET L, b. Newark, N.J., Aug. 3, 28; m. 51; c. 4, SO-CIOLOGY. B.A, Chicago, 47, M.A, 50; Nat. Sci. Found. fel. & Ph.D. (sociol), Massachusetts, 66. Dir. res, Am. Soc. Planning Officials, 50-52; res. assoc. city planning, Pennsylvania, 54-55; sociologist & housing consult, Am. Coun. Improve Neighborhoods, 55-57; asst. prof. SCOIDL, Am. Univ. Cairo, 58-60; Intermittent vis. Lectr, vis. prof. Smith Col, 62-66; ASSOC. PhOF, NORTH-WESTERN, 67- Assoc. scholar, Radcliffe Inst. Independent Study, 63-64. Sociol. Asn. Population; urban sociology. Publ. Co-auth, Housing choices and housing constraints, McGraw, 60; auth, The city is dead—long live the city, Univ. Calif. Monogr, 68; Victorious city: one thousand years of Cairo, Princeton Univ, 70. Address: 908 Ashland Ave, Wilmette, III. 60091.

ACEVES, DR. JOSEPH B, b. Brooklyn, N.Y, Oct. 13, 35. SOCIAL ANTHRO-POLOGY. B.S, Springfield Col, 59; Woodrow Wilson fel, Emory, 59-60, M.A, 60; Wenner-Gren Found. fel. & Ph.D. (anthrop), Georgia, 68. Instr. sociol. & anthrop, Wesleyan Col, 61-63, asst. prof, 63-65; res. assoc. ANTHROP, Georgia, 66-67, instr, 67-68; ASST. PROF, SOUTHERN METHODIST, 68-1 Instr. exten. div, Georgia, 63; Ga. Inst. Tech. summer 61; vis. instr. Mercer, summer 63. Nat. Guard, 52-53; U.S.A.R, 53-55; U.S.A., 55-57. Anthrop. Ass. Social anthropology, especially community development and theory; peasant society particularly in Europe, circum-Mediterranean area, and especially Spain. Publ: El Pinar; change in a Spanish village, Schenkman, 70; co-auth, Community social analysis of El Pinar, Spain, in: Community social analysis, Monogr. 4, Ga. Dept. Pub. Health, 67; El concepto del mundo del campesino castellano y su relación con el desarrollo rural, Ethica, Vol. 1, No. 1. Address: Anthropology Research Center, Southern Methodist University, Dallas, Tex. 75222.

ACHILLES, DR. ROBERT F. Speech Pathology, Audiology. See Suppl. V to 11th ed, Phys. & Biol. Vols.

ACK, DR. MARVIN, b. Toledo, Ohio, Mar. 31, 24; m. 45; c. 3. PSYCHOLOGY. B.A, Morris Harvey Col, 52; M.S, City Col. New York, 54; Columbia, 54; Ph.D. (psychol), Western Reserve, 58. Teacher, pub. sch, N.Y, 52-54; psychologist, Cleveland Pub. Schs, 54-57; child psychat. clin, Univ. Hosp. Cleveland, 57-59, chief psychologist, 59-64; sr. psychologist & child psychoanalyst, MenNINGER FOUND, 64-68, DIR. DIV. SCH. MENT. HEALTH, 68-Asst. prof, dept. psycholat, sch. med, Western Reserve, 59-64; lectr, Danish Asn. Psychiatrists & Clin. Psychologists, 67; WHO lectr, Demark, 69. Consult, Bellfaire Children's Aid Soc, 51-64; Topeka Pub. Schs, Kansas City, Mo. Pub. Schs. & Kans. State Teacher's Col. 68- U.S.A, 42-45, Sqt. Asn. Child Psychoanal; orthopsychiat. Asn; Psychol. Asn. Child psychoanalysis and psychotherapy; school mental health; learning, theory and problems. Publ: Julie, In: The psychoanalytical study of the child, Int.

Univs, 66; The management of anxiety in the diagnostic evaluation of the child, Menninger Bull, 11/68 & 1s higher education relevant, Col. & Univ, spring 69. Address: Division of School Mental Health, The Menninger Foundation, P.O. Box 829, Topeka, Kans. 66601.

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ADAMS, PROF. DONALD KENDRICK. Education. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. ed, 69-, 150 Social Science Bldg, University of Pittsburgh, Pittsburgh, Pa. 15213.

ADAMS, DR. EDWARD LARRABEE, JR, b. Ann Arbor, Mich, May 9, 15; m. 53; c. 1. COUNSELING PSYCHOLOGY. A.B, Michigan, 37, M.A, 39; M.A, Minnesota, 49, Ph.D. (higher ed), 51. Instr. student counseling & sr. counsr, Duke, 51-53; consult, psychologist, Rohrer, Hibler & Replogle, 53-60, staff partner, 60-62; prin, Edward L. Adams, Jr. & Assocs, 62-63; exec. partner, ADAMS, LAFFERTY, MADDEN & MOODY INC, 63-69, CHMN, 69-Mem, Nat. Consult. Psychologists to Mgt. U.S.A, 41-46, Lt. Col. Psychol. Asn; Personnel & Guid. Asn. Psychological consultation to management; individual career counselling; personal counseling. Publ: Common sense about cutting costs, Mgt. Rev, 8/58, Mirrors for managers, Mich. Bus. Rev, 11/58 & Total training for top executive pressures, Adv. Mgt, 6/59. Address: 1850 Washtenaw Ave, Ann Arbor, Mich. 48104.

ADAMS, DR. FRED THOMAS, b. Birmingham, Ala, Oct. 2, 18; m. 43; c. 2. SOCIOLOGY. A. B., Alabama, 52, M.A., 53; Ph.D. (sociol), Tulane, 58; summer, Colorado, 64. Instr. sociol, Alabama, 53-64; Tulane, 55-56; asst. prof. SOCIOL. & ANTHROP, WOFFORD COL, 58-61, ASSOC. PROF. & CHMN. DEPT, 61- U.S.A., 42-45, Sg. AAAS; SOCIOL Asn; Asn. Phys. Anthrog; Nat. Coun. Family Rels. Occupations; human evolution; the American family. Publ: Way to modern man, Teachers Col, Columbia Univ, 68. Address: Dept. of Sociology, Wofford College, Spartanburg, S.C. 23301.

ADAMS, PROF. JOHN BERRY. Journalism, Mass Communication. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dean, 69-, School of Journalism, 101 Howell Hall, University of North Carolina at Chapel Hill, Chapel Hill, N.C. 27514.

ADAMS, DR. PHILIP R(OSS), b. Belen, Miss, July 25, 42. SOCIOLOGY, LAW, B.A, Mississippi, 64, fel, 64-65, M.A, 65, J.D, 68. ASST. PROF. SOCIOL, SOUTH. STATE COL.(ARK), 68- Fed. Rep. W. Germany scholar. Sociol. Asn. Social theory; jurisprudence; rationalism; objectivism. Address: Route 2, Marks, Miss. 38646.

ADAMS, DR. ROBERT L, b. Gooding, Idaho, Feb. 19, 34; m. 54; c. 3. SOCIOLOGY. B.Th, Northwest Christian Col, 56; M.Div, Lexington Theol. Sem,
67; Ph.D.(sociol), Vanderblit, 69. Instr. SOCIOL, Middle Tenn. State, 65;
George Peabody Col, 65-66; Marquette, 66; ASSOC. PROF, PIKEVILLE COL,
68- Mem. bd. dirs, bd. higher ed, Disciples of Christ, 68- Soc. Asn; Soc.
Sci. Study Relig. Sociology of occupations and unemployment in Appalachia;
sects in Appalachia. Publ: Co-auth, A bibliography of political sociology,
Center for Soc. Orgn. Studies, Univ. Chicago 68 & Marriage, membership
and mobility in church and sect, Sociol. Anal., 67. Address: Dept. of Sociology, Pikeville College, Pikeville, Ky. 41501.

ADAMS, PROF. ROBERT SEXTON, b. White Oak, Tex, Sept. 4, 36; m. 57; c. 3. BUSINESS MANAGEMENT. B.B.A, North Texas State, 58, M.B.A, 61; Ph.D. (mgt), La. State, 65. 68. 800c. prof. MGT, Texas Tech, 65-68; NORTH TEXAS STATE, 68-70, PROF, 70. Predicting managerial success. Publ: The corporate promotables, Gulf, 69. Address; Dept. of Management, North Texas State University School of Business, Denton, Tex. 76203.

ADAMS, DR. S. KEITH. Industrial & Human Factors Engineering. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

ADAMS, DR. SIDNEY. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired. Address: 242 N. Granada, Arlington, Va. 22203.

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ADLER, PROF. DAN(IEL) L(ESLIE). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: On leave from San Francisco State Col. as assoc. secy, 69-, American Association of University Professors, 1 Dupont Circle N.W. Washington, D.C. 20036.

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ADLER, DR. LETA McKINNEY. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Res. coordinator, Los Angeles Co. Dept. of Hosps, 69- Address: 2265 Prosser Ave, Los Angeles, Calif. 90064.

ADLER, DR. MANFRED, b. Germany, Dec. 21, 36; U.S. citizen; m. 60; c. 2. PSYCHOLOGY. B.S. in Ed, Kent State, 60, M.Ed, 62, Ph.D. (ed. psychol, spec. ed.), 65. Teacher, pub. schs, Ohio, 60-62; intern sch. psychol, spec. ed.), 65. Teacher, pub. schs, Ohio, 60-62; intern sch. psychol, south Euclid-Lyndhurst Schs, 62-63; sch. psychologists, North Olmsted Bd. Ed, 64-65; ASST. PROF. spec. ed, Ball State, 65-66; ED, JOHN CARROLL, 66-Consult, ment. health planning cmt, Welfare Fedn. Cuyahoga County, Ohio; psychol. consult, E. Cleveland Schs, 67-; child care consult, & Columnist, Cleveland Press, 67-; child care consult, WUAB, 69- Psychol. Asn; Coun. Except. Children; Asn. for the Gifted; Nat. Asn. Gifted Children; Nat. Soc. Study Ed; Soc. Psychol. Study Social Issues. Child psychology; special education. Publ: A parent's manual; questions and answers to problems of child growth and development, C.C. Thomas, (in press); The ethnology of a group of gifted children, Gifted Child Quart, spring 64 & Intelligence testing of the culturally disadvantaged; some pitfalls, J. Negro Ed, fall 66. Address: Dept. of Education, John Carroll University, Cleveland, Ohio 44118.

ADLER, DR. PETER T(HOMAS), b. Vienna, Austria, July 5, 34; U.S. citizen; m. 58; c. 3. CLINICAL PSYCHOLOGY. B.S. Union Col. (N.Y), 55; Ph.D. (psychol), N.Y. Univ, 61. Res. asst. psychol, Child Develop. Center, New York, N.Y., 56-60; clin, psychol. transee, Vet. Admin, 57-61; staff psychologist, Southeast Nassau Guid. Center, Seaford, N.Y. 61; Metrop. Hosp-N.Y. Med. Col., 61-62, instr. psychiat, 62-65, asst. prof, 65-70, chief psychologist, 68-70; DIR. COMMUNITY CONSULT. DIV, HOMESTEAD HOSP-& COMMUNITY MENT. HEALTH CENTER, 70-5r. psychologist, Metrop. Hosp-N.Y. Med. Col., 65-67, acting chief psychologist, 67-68. Consult. psychologist, Washington Square Consult. Center, 61-63; Community Guid. Serv, 63- psychology; application of clinical techniques in urban disadvantaged communities; psychological evaluation of disadvantaged minority groups. Publ: Ethnic and socio-economic differences in human figure drawings, J. Consult. & Clin. Psychol, 70; Internship training for a contemporary profession of psychology, Prinl. Psychol, 70; The scientist-professional model and the professional school: some shibboleths reexamed, Clin. Psychologist, 70. Address: Dept. of Psychiatry, New York Medical College, New York, N.Y. 10029.

ADLER, DR. PHILIP, JR, b. Cincinnati, Ohio, Aug. 29, 30; m. 66; c. 1. MAN-AGEMENT. B.S, Ohio State, 52, Ph.D. (gen. & personnel mgt. theory), 66; M.B.A, Miami (Fla), 57. Indust. engr., air arm div, Westinghouse Elec. Corp, 54.56; civilian supur, orgn. & personnel statist. sect. Hq. Air Res. & Develop. Command, U.S. Air Force, 55; instr. gen, personnel å prod. mgt, merce, Ohio State, 59.61; asst. prof. GEN, PERSONNEL & RES. & DE-VELOP. MGT, SCH. NDUST. MGT, GA. INST. TECH, 62.68, ASSOC. PROF. 68-; ASST. CLIN. PROF. PHYS. MED. & REHAB, SCH. MED. EMORY, 69-Spec. mgt. consult, exec. staff, Nat. Commun. Disease Center, U.S. Pub. Health Serv, 67; spec. res. consult, U.S. Civil Serv. Cmn, 69. U.S.A. F, 52-54; Res, 54-, Maj. Acad. Mgt. Systematizing general management theory; application of engineering systems theory to management; management of secientific and engineering research and development programs; management of medical research and health systems; transportation management. Publ: Railroad picture still grim, Atlanta J, 4/64; Motivating research technicians: an application of health of science theory to the research and development or ganization, Res. Mgt, 5/68; Toward a system of general management, Heory, South, J. Bus, 7/69. Address: College of Industrial Management, Georgia Institute of Technology, Atlanta, Ga. 30332.

ADORNO, PROF. DAVID SAMUEL, b. New Britain, Conn, June 17, 27; m. 49; c. 4. MATHEMATICS, STATISTICS. B. A. Texas, 53; M. A. Pa. State, 55; Ph.D. (statist), Harvard, 63. Sr. res. mathematician, Jet Propulsion Labs, Calif. Inst. Tech, 59-62; res. staff mem, Int. Bus. Mach. Corp, 62-64; assoc. prof. opers. res, N.Y. Univ, 64-65; Fulbright prof. statist, Madrid, 65-66; assoc. prof. MATH, Hartford, 66-69; PROF. & CHMN. DEPT, ITHACA COL., 69- Forr. mem, Spain's Higher Res. Coun, Madrid & Opers. Res. Inst. Spain, 66- U.S.A.F., 45-51. Math. Soc; Math. Asn; Am. Statist Asn. Mathematical and statistical theory of control systems; applied spectral analysis. Publ: Optimal control of certain linear systems with quadratic loss functions, Info. & Control, 3/62; co-auth, Digital synthesis of correlated stationary noise, Cmn. Asn. Comput. Mach, 7/62. Address: 435 Elm St, Ithaca, N.Y. 14850.

AFFINITO, DR. MONA GUSTAFSON. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. 69-, Dept. of Psychology, Southern Connecticut State College, 501 Crescent St, New Haven, Conn. 06515.

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AFFLECK, DR. MARILYN, b. Logan, Utah, July 1, 32. SOCIOLOGY. B.A, Oklahoma, 54; M.A, Brigham Young, 57; Ph.D.(sociol), California, Los Angeles, 66. Instr. SOCIOL, Cent. State Col, 58-69; ASST. PROF, Fla. State, 66-68; OKLAHOMA, 68 - Sociol. Asn. Sociology of mental retardation; minority group relations. Publ. Reactions to marginality: a comparison of mentally retarded and ethnic minorities, Univ. Microfilms, 66; co-auth, Labor mobility and industrialization in a Utah county, Soc. Forces, 57-58 & Health care of school children; variations among ethnic groups, J. Sch. Health, 5/69. Address: Dept. of Sociology, University of Oklahoma, Norman, Okla. 73069.

AFRIAT, PROF. S(YDNEY) N(APHTALI). Economics, Mathematics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 68-Dept. of Economics, University of North Carolina at Chapel Hill, Chapel Hill N.C. 27514

AFZAL, DR. MUHAMMAD. Economics, Agricultural Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 68-University of Alabama at Huntsville, P.O. Box 1207, Huntsville, Ala. 35807.

AGASSI, PROF. JOSEPH. Philosophy, History of Science. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

AGATA, PROF. BURTON C. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

AGGER, PROF. ROBERT E. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Political Science, McMaster University, Hamilton, Ont, Can.

AGINSKY, DR. BERNARD W. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 939 Coast Blvd, La Jolla, Calif. 92037.

AGNEW, CAPT. ROBERT A, U.S.A.F, b. Atlanta, Ga, Jan. 9, 42; m. 65. APPLIED MATHEMATICS, OPERATIONS RESEARCH. B. M.E. Cornell, 64;
M.S. Northwestern, 67; Ph.D. (appl. math), 68. U.S. AIR FORCE, 68. ASST.
PROF. OPERS. RES, U.S. AIR FORCE INST. TECH, 68- Opers. Res. Soc.
Am; Inst. Mgt. Sci; Inst. Math. Statist. Applications of probability theory.
Publ: Co-auth, On the superposition of point processes, J. Royal Statist. Soc,
68 & An application of chance constrained programming to portfolio selection in a casualty insurance firm, Mgt. Sci, 69. Address: Dept. of Systems
Management, U.S. Air Force Institute of Technology, Wright-Patterson Air
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AGOGINO, DR. GEORGE A. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir, Miles Mus, East. N.Mex. Univ. Campus & Blackwater Draw State Mus. Address: Dept. of Anthropology, Box 2154, Eastern New Mexico University, Portales, N.Mex. 88130.

AGOR, DR. WESTON H(ARRIS), b. Salamanca, N.Y. Dec. 30, 39; m. 63; c. 1. POLITICAL SCIENCE. B. A. St. Lawrence, 61; M.P.H. Michigan, 63; Ph. D. (polit. sci), Wisconsin, 69. Mkt, Procter & Gamble Co. Int, 63-65; finance analyst, Ford Motor Co. Int, summer 69; ASST. PROF. POLIT. SCI, WIS. STATE, OSHKOSH, 69- Polit. Sci. Asn; Latin Am. Studies Asn; Soc. Pub. Admin. Latin American legislatures; ownership and directorship of enterprises, banks and insurance companies in Chile. Publ: The Chilean Senate: internal distribution of influence, Univ. Texas, 71; The role of the senate in the Chilean political system, In: Legislatures in developmental perspective, Duke Univ. 70; Autonomy of Chilean Senate standing committees, J. Latin Am. Studies, 5/70. Address: 1508 Southland Ave, Oshkosh, Wis. 54901.

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AHMANN, PROF. J(OHN) STANLEY. Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also assoc. dir. human factors res. lab, 69-, colorado State University, Ft. Collins, Colo. 80521.

AHOKAS, DR. JAAKKO ALFRED. Finnish Literature & Civilization, Romance Languages. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang.

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AHRENS, DR. CURTIS LAVERNE. Agricultural Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Agricultural Resource Development Branch, Tennessee Valley Authority, AF-108, NFDC, Muscle Shoals, Ala. 35660.

AHSAN, PROF. S. REZA, b. India, Mar. 31, 37; m. GEOGRAPHY. B.Sc, Allegarh Muslim Univ, India, 54, LL.B. & M.Sc, 56; Ph.D.(geog), Plorida, 63. Lectr. GEOG, Dacca, 56-58; asst. prof. Western Kentucky, 62-63; Haile Selassie, 63-67; assoc. prof. Wis. State, Stevens Point, 67-68; WESTERN KENTUCKY, 68-70, PROF, 70- Asn. Am. Geog; Geog. Soc. Nat. Coun. Geog. Ed. Cartography, airphoto interpretation; agriculture and settlement; regional interests in South Asia, East Africa; Central America. Publ. Dewister of the County of

AINSWORTH, DR. ARTHUR DAVID. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Chmn, 68-, Dept. of History & Political Science, American College of Switzerland, Leysin, Switz. 1854.

AINSWORTH, PROF. LABAN LINTON, JR. Psychology. See A-K Vol., 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. & chum, 70-, Division of Social Sciences, Indiana University Southeast, Jeffersonville, Ind. 47130.

AIRASIAN, DR. PETER W, b. Cambridge, Mass, Apr. 18, 42; m. 67; c. 1. EDUCATIONAL RESEARCH. A.B, Harvard, 64; A.M, Chicago, 67, Ph.D. (ed), 69. Sr. psychometrist, California, Los Angeles, summer 68; ASST. PROF. ED. & RES. ASSOC, CATH. ED. RES. CENTER, BOSTON COL, 69-Ed. Res. Ass, Nat. Coun. Measurement in Ed. Student and curriculum evaluation, especially formative evaluation; formative instrument construction; Catholic school survey research. Publ: Formative evaluation instruments, Irish J. Ed, 68 & The use of hierarchies in the planning and analysis of chemistry instruction, Sci. Ed, 70. Address: Catholic Education Research Center, Boston College School of Education, Chestut Hill, Mass. 20167.

AKERS, DR. RONALD L(QUIS), b. New Albany, Jan. 7, 39; m. 58; c. 2. SOCIOLOGY. B.S, Indiana State, 60; M.A, Kent State, 61; Nat. Sci. Found. fel,
Kentucky, 62-65, Ph.D. (sociol), 66. Instr. SOCIOL, Kent State, 61-62; asst.
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Law & Society Asn. Criminology; delinquency; deviant behavior; law and
administration of justice; occupations and professions; complex organizations. Publ: Co-auth, Differential association-reinforcement theory of
criminal behavior, Social Probs, fall 66 & Differential organization of health
professions: a comparative analysis, Am. Sociol. Rev. 2/68; auth, Problems
in the sociology of deviance: social definitions and behavior, Soc. Forces,
6/68. Address: Dept. of Sociology, University of Washington, Seattle, Wash,
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AKHTAR, DR. MOHAMMAD, b. Delhi, India, June 5, 35; m. 67; c. 1. PSY-CHOLOGY. B. A., Islamia Col, Lahore, Pakistan, 55; M. A., Karachi, 57; Ph.D. (jsychol), Illinois, Urban, 62. Asst. prof. PSYCHOL, Northern Illinois, 62-63; Marquette, 63-66; sr. lectr, Karachi, 66-69; ASSOC, PROF. SLIPPERY POCK STATC COL, 69. U.S. Pub. Health Serv. summer (el, 65; res. funds, Karachi, 67-69. AAAS; Psychol. Asn. Punishment; partial reinforcement; learning theory; motivation; experimental psychopathology; personality; cross-cultural studies. Publ: Increased resistance to punishment as a function of counter-conditioning, J. Comp. Physiol. Psychol, 64; 268-272; Role of anticipation of post-session feeding in increasing resistance to punishment, 12: 347-348 & Resistance to consistent shocks as a function of training schedules of interspersed shocks, 18: 281-283, Psychonomic Sci. Address: Dept. of Psychology, Slippery Rock State College, Slippery Rock, Pa. 18057.

AKPAN, DR. MOSES EKPO, b. Otoro-Abak, Nigeria, Mar. 25, 33; m. 58; c. 3. POLITICAL SCIENCE. B. A. Capital Univ, 64; Eastern Annang County, Nigeria scholar, Southern Illinois, 64-66, M. A, 66, Ph. D. (polit. sci), 69. Prin, pub. schs, Abak-Nigeria, 56-61; teaching asst, polit. sci, Southern Illinois, 64-66; asst. prof. hist. & polit. sci, Jackson State Col, 66-67; assoc. prof. POLIT. SCI, Southern Univ, 67-70; PROF, S.C. STATE COL, 70-Summers, lectr, Nat. Defense Ed. Act Adv. Civics Inst, Southern Univ, 68, dir, Ed. Professions Develop. Act Adv. Civics Inst, 69. Consult, Peace Corps, Leland Col, 68. Polit. Sci. Asn, fel. African Studies Asn. International relations; comparative government. Address: Division of Social Sciences, South Carolina State College, Orangeburg, S.C. 29115.

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ALBAUM, DR. MELVIN, b. New York, N.Y, July 13, 36; div; c. 1. GEOGRA-PHY. B.A, City Univ. New York, 60; Nat. Defense Ed. Act fel. & M.S. Wisconsin, 64; Cmt. instrul. Coop. exchange scholar, Michigan, fall 67; fel, Am. Res. Center, Egypt, 67; Ph.D.(pop. geog), Ohio State, 69. Instr. GEOG, City Col. New York, summer 64; Ohio State, 64-68; ASST. PROF, KEN-

- TUCKY, 68- U.S.A, 55-56, Sgt. Am. Geog. Soc; Asn. Am. Geog; Pop. Asn. Am. Regional Sci. Asn; Mid. East Studies Asn. N.Am. Population processes in spatial systems; utilization of quantitative methods and computers in geographic research: demographic processes in the Middle East. Publ: Cooperative agricultural settlement in Egypt and Israel, Land Econ, 5/66. Address: Dept. of Geography, University of Kentucky, Lexington, Ky. 40506.
- ALBERTS, DR. DAVID STEPHEN, b. New York, N.Y, Dec. 4, 42; m. 65. OP-ERATIONS RESEARCH, COMPUTER SCIENCE. B.B.A., City Col. New York, 64; M.S., Pennsylvania, 66, Ph.D. (opers. res), 69. Instr. mgt, SCH. COM-MERCE, N.Y. UNIV, 68-69, asst. prof. 69, ASST. PROF. OPERS. RES. & DIR. COMPUTER SCI. PROG. 69- Inst. Mgt. Sci.; Inst. Planners. Application of operations research methodology to the formulation of objective functions for social services. Publis Plan for measuring the effectiveness of social services, Praeger, 70. Address: 514 West End Ave, New York, N.Y. 10024.
- ALBINSKI, PROF. HENRY STEPHEN. Political Science. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New information: Vis. prof. govt. Univ. Queensland, Australia, 70. Publ. Politics and foreign policy in Australia, Duke Univ. Address: Dept. of Political Science, Pennsylvania State University, 129 Sparks Bidg, University Park, Pa. 16002.
- ALBRECHT, DR. H(AROLD) ROBERT. Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Private practice clin. psychol, 69- Address: 179 E. Main St, Chillicothe, Ohio 45601.
- ALBRECHT, PROF. PAUL A(BRAHAM). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn. grad. faculty bus. econ, Claremont Grad. Sch, 68- Address: 645 W. Tenth St, Claremont, Calif. 91711
- ALBRIGHT, DR. MARY JOAN, b. Parkersburg, W. Va, July 28, 32. CLINICAL PSYCHOLOGY. B.A, Ohio Dominican Col, 54; M.A, Fordham, 56, Ph.D. (clin. psychol), 66. Sch. psychologist, bd. ed, Newark, N.J, 55-57; staff psychologist, St. Charles Child Guid. Clin, Brooklyn, N.Y, 57-59; East. Health Dist. Child Guid. Clin, Baltimore, 59-61; instr. med. psychol, SCH. MED. MARYLAND, 61-66, ASST. PROF. MED. PSYCHOL. & CHIEF PSYCHOLOGIST CHILD PSYCHOLA. 66-Consult, Mt. St. Agnes Col. 67-; Harford & Cecil Counties Suppl. Ed. Center. Visual perception and reading retardation; abstract thinking; social psychological factors leading to pregnancies in teenage girls. Address: Dept. of Medical Psychology, University of Maryland School of Medicine, Baltimore, Md. 21201.
- ALDERFER, DR. CLAYTON P(AUL). Organizational Behavior. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. pof, 68-, Dept. of Administrative Sciences, Yale University, New Haven, Conn. 06520.
- ALDRICH, DR. BRUCE W, b. Port Chester, N.Y, Jan. 28, 43. SOCIOLOGY. A.B. Rollins Col., 65; M.A., North Carolina, 67, Ph.D. (sociol), 70. ASST. PROF. SOCIOL, Fla. State, 69-70; MIAMI (FLA), 70- Sociol. Asn. Social psychology; psychosocial origins of achievement motivation and anticipated occupational mobility in adolescents. Address: Dept. of Sociology, University of Miami, Coral Gables, Fla. 33124.
- ALDRICH, DR. HOWARD EARL, b. Ore, Nov. 19, 43; m. 65; c. 1. SOCIOL-OGY. B.S, Bowling Green, 65; M.S, Michigan, 66, Ph.D, 69. Res. asst. sociol, Michigan, 65-69; ASST. PROF. ORGN. BEHAV, CORNELL, 69. Sociol. Asn. Polit. Sci. Asn. The relationship of organizations to their environments; political and urban sociology; small businesses in urban areas. Publ: Co-auth, A panel study of small businesses, in: Crime against small business, U.S. Govt. Printing Off, 69. Address: 390 Ives, Dept. of Organizational Behavior, N.Y. State School of Industrial & Lab. Relations, Cornell University, Ithaca, N.Y. 14850.
- ALDRICH, DR. T(ERRY) MARK, b. Pelham, Mass, Oct. 16, 41; m. 65. ECO-NOMICS, ECONOMIC HISTORY. B.A, Middlebury Col, 63; Earhart fel. & M.A, California, Berkeley, 64; Rovensky & univ. fels, Texas, austin, 66-68, Ph. D. (econ), 69. ASST. PROF. ECON, SMITH COL, 68- Econ. Hist. Asn. American economic history. Publ: Rates of return earned on investment in formal technical education in the ante-bellum American economy, J. Econ. Hist, 3/70. Address: Dept. of Economics, Smith College, Northampton, Mass. 01060.
- ALERS, DR. J. OSCAR, b. New York, N.Y, Apr. 15, 33; m. 56; c. 2. SOCI-OLOGY. B.A, City Col. New York, 55; A.M, Harvard, 59; Michigan, summer 60; Ph.D. (sociol), Cornell, 66. Lectr. sociol, City Col. New York, summer 58; res. asst, Michigan, 60-61; res. assoc. anthrop, Cornell, 64-65, vis. asst, prof. indust. & labor rels, 65-68; ASSOC. PROF. SOCIOL, BOSTON COL, 68-Co-dir. field activities & data anal, Inst. Peruvian Studies, Lima, Peru, 65-67. U.S.A, 55-57. Sociol. Asn, Latin Am. Studies Asn; Pop. Asn. Am. Population, social change and development in Latin America; development of attitudes toward fertility and consequences of population growth; Spanish-American minorities in the United States. Publ: Co-auth, La migración en el Perú: un inventario de proposiciones, Centro Estudios Población y Desarrollo, 68; auth, The quest for well-being, Am. Behav. Scientist, 3/65 & Population and development in a Peruvian community, J. Inter-Am. Studies, 10/65. Address: Dept. of Sociology, Boston College, Chestnut Hill, Mass. 02167.
- ALEXAKOS, DR. CONSTANTINOS, b. Tripolis, Greece, Aug. 21, 28; m. 60; c. 4. COUNSELING, EDUCATIONAL PSYCHOLOGY. B.A, Nat. Univ. Athens, 58; M.Ed, Harvard, 61; Chicago, 61-62; Ph.D.(counseling), Wisconsin, 65. Res. assoc. counseling, Wisconsin, 65-66; asst. prof. West Virginia, 66-69; ASSOC. POP. ED, NORTHERN 100M, 69- U.S. Off. Ed. grant, 69-70. Nat. Greek Army, 50-53, Lt. Psychol. Asn. Ed. Res. Asn. Personality development and measurement, evaluation of counseling effectiveness. Publ. Highlights of standardized learning to the counseling of the c

- Personnel & Guid. J, 67 & Overlap between achievement and aptitude, Measurement & Eval. in Guid, 69. Address: 1421 Olive St, Cedar Falls, Iowa 50613.
- ALEXANDER, DR. A. JOHN. Intellectual History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- ALEXANDER, DR. ALEC P(ETER). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Dept. of Economics, University of California, Santa Barbara, Calif. 93106.
- ALEXANDER, DR. JAMES F, b. Tulsa, Okla, Mar. 23, 41; m. 64. PSYCHOL-OGV. B.A, Duke, 62; M.A, Calif. State Col. Long Beach, 65; Ph. D. (psychol), Mich. State, 67. ASST. PROF. CLIN. PSYCHOL, UTAH, 68. Univ. Utah Res. Cmt. grants, 68-70; Biomed. Sci. support grant, 69-70. Consult, Vet. Admin. Hosp, Salt Lake City, Utah, 69- Ed, Personalthy: An Int. J, 69- Psychol. Asn. Family interaction and therapy; interpersonal behavior; communication. Publ: The therapist as a model—and as himself, Psychother, Theory, Res. & Practice, 67; Dependency changes in psychotherapy as related to interpersonal relationships, J. Consult. & Clin. Psychol, 68; Psychotherapy process; sex differences and dependency, J. Counseling Psychol, 69. Address: Dept. of Psychology, University of Utah, Salt Lake City, Utah 44112.
- ALEXANDER, DR. JOHN W(ESLEY). Geography. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: Inter-Varsity Christian Fellowship of the U.S, 620 N. Carroll St, Madison, Wis. 53703.
- ALEXANDER, DR. ROBERT H(AROLD). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address; Suite 1012, Atlantic Coastline Bldg, Jacksonville, Fla. 32216.
- ALEXANDER, PROF. ROBERT J(ACKSON). Economics, Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New publ: An introduction to Argentina, Praeger, 69. Address: Dept. of Economics, Rutgers, The State University, New Brunswick, N.J. 08903.
- ALEXANDER, ROBERT M. Economics, Government. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir, Air Resources Center, Oregon State University, Corvallis, Ore. 97331.
- ALEXANDER, DR. SHELDON. Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Health Scientist adminstr, 67-, Behavioral Sciences Training Branch, National Institute of Mental Health, 5454 Wisconsin Ave, Chevy Chase, Md. 20015.
- ALEXANDRIDES, DR. COSTAS G, b. Athens, Greece, Sept. 28, 29; U.S. citizen; m. 52. MANAGEMENT, ECONOMICS. A.B., Georgia, 51; Ph.D. (int. rels, econ), N.Y. Univ, 61; cert, Long Island, 65. Econ. atfairs officer, UN, New York, 52-55; chmn, UN lect. series, N.Y. Univ, 62-63, dir. UN studies, New Sch. Soc. Res, 63-66; ASSOC. PROF. MGT, GEORGIA STATE, 67- Adj. assoc. prof. Long Island, 65-66; City Col. New York, 66; dir. Fed-State grant int. bus. systs, 68- Econ. Asn; Mgt. Asn. Computer systems for international business decision-making; quantitative methods for international market research. Publ: Ed, International business systems, Ga. State Univ, 69; auth, State of Georgia in world trade, J. Res. Essays Int. Bus, 68 & Computer application to international market research: a quantitative approach to export expansion and market development, Int. Bus, 70. Address: 3433 Paces Forest Rd, N.W., Atlanta, Ga. 30327.
- ALGER, PROF. CHADWICK F(AIRFAX). Political Science, International Relations. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 2236 Wesley Ave, Evanston, Ill. 60201.
- ALIGWEKWE, DR. EVALYN. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 694- Dept. of History & Political Science, Marietta College, Marietta, Ohio 45750.
- ALISKY, PROF. MARVIN HOWARD. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Publ: Uruguay: a contemporary survey, Praeger, N.Y. & Pall Mall, London, 69 (title change). New publ: Who's who in Mexican Government, CLAS Press, 69. Address: 44 W. Palmdale Dr, Tempe, Ariz. 85281.
- ALIX, DR. ERNEST KAHLAR, b. Lockport, N.Y. Mar. 28, 39; m. 62; c. 1. SOCIOLOGY. B.A, N.Cent. Col., 62; M.A, Southern Illinois, 64, Ph.D. (sociol), 66. Asst. prof. sociol, State Univ. N.Y. Buffalo, 66-67, ASST. PROF. SOCIOL. & ASST. DR. COMMUNITY DEVELOP. SERVS, SOUTHERN ILLINOIS, 67- Grant, div. automation, mapower & retraining, U.S. Dept. of Labor, 65-67. Training eval. consult, Nat. Easter Seals Soc. Crippled Children & Adults, 68-69; environ. control & community health sect, U.S. Pub. Health Serv, 69. Sociol. Asn, 50c. Study Social Probs; Rural Sociol. Soc; Community Develop. Soc. Criminology; community disorganization and reorganization; social psychological adaptations to individual and community failure; evaluative research on social action programs; models of community subsystem change. Publ: A case of limited debureaucratization in a small town city council, Buffalo Studies; Studies Sociol, 12/67; A conceptual model of change among community subsystems, Sociol. Quart, fall 68; The functional interdependence of crime and community social structure, J. Criminal Law, Criminol. & Police Sci, fall 69. Address: Dept. of Sociology, Southern Illinois University, Carbondale, III. 62901.
- ALKIRE, DR. EDWARD M(ORGAN). Psychology, Counseling. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 2305 Calle Monte Cristo, San Clemente, Calif. 92672.
- ALKIRE, DR. WILLIAM HENRY, b. Bremerton, Wash, June 6, 35; m. 67.
 ANTHROPOLOGY. B.A, Washington (Seattle), 57; M.A, Hawaii, 59; Nat.
 Insts. Health fel, Illinois, Urbana, 60-64, grant, 62, Ph.D.(anthrop), 65.
 Mus. aide ethnol, U.S. Nat. Mus, Smithsonian Inst, summer 60; res. assoc.

anthrop, Bernice P. Bishop Mus, Honolulu, Hawaii, 64-66; asst. prof, Univ. Hawaii, 66-67; asst. prof, San Francisco State Col. 67-68; lectr. anthrop. & geog, Malaya, 68-69; ASSOC. PROF. ANTHROP, VICTORIA, 70- Nat. Sci. Found. res. grant, 64-66; lectr. & consult, Micronesia Peace Corps Training, 66. Fel. anthrop Asn; Ethnol. Soc; Polynesian Soc. Ethnology and social anthropology of Micronesia, Oceania and Southeast Asia. Publ. Lamotrek Atoll and inter-island socioeconomic ties, Univ. Illinois, 55; Porpoises and taro, Ethnology, 68 & Systems of measurement on Woleal Atoll, Caroline Islands, Anthropol. Address: Dept. of Anthropology, University of Victoria, Victoria, B.C., Can.

SILY OF VICTOTA, VICTOTA, B.C., Can.

ALKOV, DR. ROBERT ADOLF, b. Pensacola, Fla, Aug. 4, 33; m. 60; c. 2. EXPERIMENTAL PSYCHOLOGY. B.S., Fla. State, 60, M.S., 62, Ph.D.(exp. psychol), 65. Res. asst. aviation psychol, George Washington, 65-66; head training factors br, Naval Aviation Safety Center, 66-67, HeAD BE-HAV. SCI. DIV, NAVAL SAFETY CENTER, 67- Lectr. East. Shore Br, Univ. Virginia, 68- U.S.N., 53-58, Res., 59-, Lt. Comdr. AAAS, Psychol. Ass., Human Factors Soc; Asn. Aviation Psychol. Comparative psychology; aviation human factors; mission-task analysis of rotary wing instrument flight; human error research and analysis. Publ: Co-auth, Runway behavior of lizards to heat and light reinforcement, Psychol. Reports, 16: 423-426, & Human error research and analysis program, J. Aircraft, 9-10/68; auth, Radio communications problems and aviation accidents in the U.S. Navy, In: Aeromedical aspects of radio communication and flight safety, NATO-Adv. Group Aerospace Res. & Develop. Adv. Report, 5/69. Address: 8336 Capeview Court, Norfolk, Va. 23518.

ALIAN, DEAN HARRY THAIN, b. Saugus, Mass, Aug. 12, 28; m. 52; c. 2.

MANAGEMENT, LAW. A.B. Washington & Jefferson Col. 53; B.S. Mass.
Inst. Tech, 53; J.D. Chicago, 56; Carnegie-Mellon, 62-63. Engr. Hycalog Co,
La, 32-53; indust. engr. R. Donnelley & Sons Co. III, 53-55; instr. bos. admin,
Oregon State, 56-57, asst. prof, 57-62; assoc. prof, 62-65; Massachusetts, 6567, prof, 67-70;DEAN COL. BUS. ADMIN. SYRACUSE, 70- Ford Found. fel,
64 & res. grant, 67-68. Managing ed, Univ. Chicago Law Rev, 55-56. Bar
Asn; Law & Soc. Asn; Bus. Law Asn. (ed, ABLA Jour, 65-70); Inst. Mgt. Sci.
Law-government systems in complex organizations. Publ. Co-auth, Introduction to law: a functional approach, Scott, 69; Supreme court no-clear
majority decisions: a study in stare decisis, Univ. Chicago Law Rev, 56;
auth, An empirical test of decisional postulates of the March-Cyert behavioral theory of the firm, Admin. Sci. Quart, 66. Address: College of Business
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ALLAN, WILLARD. Economics, Finance. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Treas, 69-, Amoco International Oil Co, 500 N. Michigan Ave, Chicago, 111. 60611.

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ALLEN, PROF. CHAUNCEY NEWELL. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof. psychol, Dartmouth Col, 66- Address: 2 Brewster Rd, Hanover, N.H. 03775.

ALLEN, PROF. CLARK LEE. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. econ, Fla. Presby. Col, 69- Address: 2730 62nd Ave. S, St. Petersburg, Fla. 33712.

ALLEN, DR. DAVID, b. York, Maine, May 15, 42; m. 68; c. 1. PSYCHOLOGY. B.A. Lake Forest Col., 65; M.A. Arizona, 67, U.S. Pub. Health Serv. fel, 67-68, Ph.D. (exp. psychol), 68. ASST. PROF. PSYCHOL, S.DAK. STATE, 68-Psychol. Asn. Psychoacoustics; learning; operant conditioning; physiological psychology; psychophysics; behavioral effects of organochlorine pesticide toxicosis; music; history of psychology; research methodology; human factors. Publ: Octave discriminability of musical and nonmusical subjects, Psychonomic Sci., 67; Spatial summation in 48. Spence's theory of discrimination learning; a revenuation, Psychol. Record, 69. Address: Dept. of Psychology, South Dakota State University, Brookings, S.Dak. 57006.

ALLEN, DR. DORIS TWITCHELL. Psychology. See A-K Vol., 11th ed, Soc. & Behav. Vols. Change of address: 351 Joselin, Cincinnati, Ohio 45221.

ALLEN, DR. DORIS VIRGINIA, b. Highland Park, Mich, Mar. 28, 29; m. 68, PSYCHOLOGY. B.S, Michigan, 50; M.A, Wayne State, 63, Ph.D. (psychol), 65. Psychometrist, counseling & testing bur, WAYNE STATE, 59-62, res. assoc, speech & hearing clin, 62-65, instr, DEPT. AUDIOL, 66-67, ASST. PROF, 67. Psychol. Asn; Psychonomic Soc. Verbal learning; cognitive processes; neuropsychology; short-term memory; audition; education of hearing-impaired. Publ: Modality aspects of mediation in children with normal and with impaired hearing ability. Us. Off. Ed, Dept. Health, Ed. & Wellare, 63; co.-auth, A factor analytic study of the ability to spell, Ed. & Psychol. Measurement, 65; auth, Acoustic Interference and Company of the Company o

ALLEN, DR. EDMUND E. Social Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: University of South Florida, Social Science Bldg. 251, Tampa, Fla. 33620.

ALLEN, PROF. ETHAN P(UTNAM). Political Science. See 11th ed, Soc. & Behav. Vols, deceased 68.

ALLEN, DR. FREDERICK S(TETSON). Modern European History. See 5th ed, Dir. of Am. Scholars, Vol. I, Hist.

ALLEN, DR. HARRY E(LLIS), b. Selma, Ala, Feb. 16, 38. SOCIOLOGY, CRIMINOLOGY. B. A, Stetson, 60; M. A, Vanderbilt, 65; Ph.D.(sociol), Ohio

State, 69. ASST. PROF. CRIMINOL, F.LA. STATE, 69. Bobbs-Merrill award sociol, 67. Sociol. Asn; Soc. Criminol. Juvenile delinquency; sociopathy. Publ: Oc-auth, Inmate and non-inmate attitudes toward punitiveness, 8/67 & Social and bio-medical correlates of sociopathy, 2/69, Criminologica; Antisocial personality type with cardiac lability, Arch. Gen. Psychiat, 70. Address: Dept. of Criminology, Florida State University, Tallahassee, Fila. 32306.

ALLEN, DR. HERBERT R, b. Princeton, Minn, Oct. 3, 24; m. 56; c. 2. FARM MANAGEMENT. B.S, Iowa State, 50, M.S, 52; Ph.D.(agr., econ), S.Dak. State, 68. Youth asst. exten. ed, Iowa State, 52. 56, asst. county exten. dir, 56-58, county exten. dir, 58-59, dist. economist, 59-63; asst. economist, S.DAK. STATE, 63-67, ASST. PROF. ECON, 67 - U.S.N, 44-46. Agr. Econ. Ass. Publ: An economic analysis of ranch organization in central South Dakota, 69 Pasture improvement—an analysis of rancher attributes in central South Dakota, 69 & Farm and ranch business record book, 70, S.Dak. State Univ. Address: Dept. of Economics, South Dakota State University, Brookings, S.Dak. 57006.

ALLEN, DR. JAMES ELMORE, b. Morehead City, N.C, May, 35; m. 59; c. 1. SOCIOLOGY, RELIGION. B.A. Arizona, 57; S.T.B. Boston, 60, Ph.D. (soc. ethics), 64. Asst. prof. relig. & chaplain, Simpson Col, 64-68; RES. ASSOC. POP, CARCLINA POP. CENTER, NORTH CAROLLINA, CHAPEL HILL & VIS. LECTR. RELIG. UNIV. 68- Asn. Study Abortion; Sociol. Asn. Population research. Publ. Family planning attitudes of seminary students. Rev. Relig. Training for family planning ounseling: the seminary's role, 2 multy Coordinator: J. Ed. Counseling & Serv, 1/69. Address: 313 Yorktown Dr. Chapel Hill, N.C. 27514.

ALLEN, DR. JAMES G, b. Stevens Point, Wis, Jan. 30, 29; m; c. 3. SOCIOL-OCY. B.S, Wisconsin, 49; M.S, Iowa State, 54, Ph.D. (sociol, ed), 60. Asst. to dir. residences, Jowa State, 5.1-54, teacher sociol. & asst. dir. residences 54-59, instr. sociol, 59-60; asst. prof. sociol. & dir. student housing, Denver, 60-62; assoc. specialist sociol. & dir. student housing, HAWII, 62-65, assoc. prof. sociol. & agr. econ, 65-66; ASSOC. PROF. SOCIOL. & HEAD DIV. HUMAN DEVELOP, 66- Univ. Hawait Res. Coun. res. grants, 66-68; Head Start Prog. res. grant, 67-68; Nat. Insts. fel, Minnesota, 68-69. Consult. & Seaker, campus, church & community groups, 62-66; consult. & speaker, campus, church & community groups, 62-66; consult. Center, 63-64; Hawaiian Tel. Co, 63-67. U.S.N.R, 44-45. Sociol. Asn; Nat. Coun. Family Rels. Marriage and divorce; family unit; group dynamics; communication. Publ: Student mob behavior: a sociological approach to its prevention, 3/62 & Residence halls as coeducational communities, 1/65, J. Col. Student Personnel; You and I are aging, let's plan ahead, Exten. Bull, 2/66. Address: 230 Alkane St, Kallua, Hawaii 96734.

ALLEN, DR. JOHN EDWARD III. Computational & Slavic Linguistics. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.

ALLEN, DR. JONATHAN. Electrical Engineering. See Suppl. VI to 11th ed. Phys. & Biol. Vols.

ALLEN, DR. JOSEPH DANA, III, b. Bryn Mawr, Pa, May 3, 39; m. 63; c. 1. PSYCHOLOGY, B.A, Hamilton Col, 61; M.A, Southern Illinois, 64, Ph.D. (psychol), 67. ASST. PROF. PSYCHOL, GEORGIA, 67- Motivation; learning; aversive control; stimulus control in infrahumans. Publ: Co-auth, Perfect retention of an instrumental response, 65 & Role of rg-sg in forgetting, 66, Psychonomic Sci; co-auth, Speed scores obtained at random versus standard times under a continuous percentage weight loss, J. Exp. Psychol, 66. Address; Dept. of Psychology, University of Georgia, Athens, Ga. 30601.

ALLEN, DR. JOSEPH LAND. Theology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

ALLEN, DR. RICHARD P, b. Waterloo, Iowa. PSYCHOLOGY. B.S. Mass. Inst. Tech, 61; Ph.D.(psychol), Cambridge, 67. ASST. PROF. BEHAV. BIOL, SCH. MED, HOPKINS, 69. U.S.A.R, 67-69, Capt. Psychopharmacology; psycholinguistics; problems relating cerebral functioning to behavior. Address: Dept. of Psychiatry, Baltimore City Hospitals, 4940 Eastern Ave, Baltimore, Md. 21224.

ALLEN, PROF. ROGER WILLIAM, b. Marlow, Okla, Sept. 14, 19; m. 48. MANAGEMENT, MARKETING. M. B. A. Chicago, 51; D. B. A. (personnel, indust. rels.) Southern California, 66. Res. asst. & res. assoc. mgt. develop, progs, indust. rels. center, Chicago, 52, proj. dir, 52-56; asst. prof. mgt. & mkt, Rochester, 55-59; Fresno State Col, 59-61, dir, bur. bus. res. & servs, 63-66; assoc. prof. mgt. & orgn. theory, Creighton, 66-67, PROF, 67-70; MGT, FRESNO STATE COL, 70- Fel, Summer Manpower Res. Inst, Iowa State, 69. U.S.M.C.R, 42-45, M/Sgt. Mkt. Asn; Acad. Mgt. Organization theory; administrative practices. Publ: Evaluating the management consultant, J. Soc. Personnel Admin, 9/62; An application of some of the analytical tools of economics and sociology to the academic labor market, Bentley Bus. & Econ. Rev. 2/68; Staffing practices and problems of business units in the California state college system, Acad. Mgt. J. 3/68. Address: School of Business, Fresno State College, Fresno, Calif. 93726.

ALLEN, DR. THOMAS JOHN. Management, Organizational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. orgn. psychol. & mgt, 69-, Sloan School of Management, Massachusetts Institute of Technology, Cambridge, Mass. 02139.

ALLEN, DR. VERNON LESLEY. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Dept. of Psychology, University of Wisconsin, Charter at Johnson, Madison, Wis. 53706.

ALLEYNE, DR. JACOB MICHAEL. Anthropology, Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof. 70-, Dept. of Sociology & Anthropology, St. Jerome's College, University of Waterloo, Waterloo, Ont, Can.

- ALLISON, DR. JAMES PARKHURST, b. Des Moines, Iowa, Nov. 19, 40; m. 63. B.A, Grinnell Col, 63; M.A, Montana, 65, U.S. Pub. Health Serv. [el, 68-69, Ph.D, 69. ASST. PROF. PSYCHOL, KNOX COL, 69. Discrimination learning; theories of learning and motivation. Address: Dept. of Psychology, Knox College, Galesburg, Ill. 61401.
- ALIMAN, PROF. REVA WHITE, b. Birmingham, Ala, July 29, 13; m. 42; c. 1. PSYCHOLOGY, EDUCATION. A. B., Miles Col., 35; M. A., Fisk, 40; Gen. Ed. fel, Michigan, 44-46, Ph.D. (ed.), 51. Teacher, pub. seh, Ala, 35-37; chmn. dept. ed., Ala. Agr. & Mech. Col., 40-48; Miles Col., 49-59; grant, Univ. Mich. 51; prof. ed., ALABAMA STATE, 51-62, acting dean grad. sch, 63-64, coordinator, 63-65, chmn. dept. ed. & psychol, 65-67, chmn. dept. sec. ed. 67-68, PROF. ED. & PSYCHOL, 68- Ed. Professions Develop. Act lectr, 70. Attitudes of college students and their behavioral responses. Publ: Competencies of prospective teachers, 53 & Knowledge of English usage of 318 graduate students at College A, spring 66, J. Negro Ed; Social attitudes of college students, J. Soc. Psychol, 3: 33. Address: 5 Pinetree Dr, Montgomery, Ala. 36109.
- ALLSBROK, DR. OGDEN O. JR. b. Wilmington, N. C., July 1, 49. ECONOMICS. A. B. Wake Forest, 62: Ph.D. (econ), Virginia, 66. Asst prof. econ, Miami (Fla), 65-66; economist, U.S. Dept. Defense, 66-68; ASST. PROF. ECON, GEORGIA, 68. Lectr. Maryland, 67-68. U.S. A, 66-68, Capt. Monetary and income theory with specific application to doctrinal controversy over synthesis of real and monetary theories of income generation. Publ. Co-auth, The utilization of military resources, U.S. Govt. Printing Off, 68; auth, The economics of central banking, 68 & co-auth. The price mechanism, 2nd ed, 69, Perspectives Econ. Address: 107 Ashley Circle, Apt. 6, Athens, Ga. 30601.
- ALMGREN, DR. A(DOLF) W(ILLIAM). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Kent State University, 6000 Frank Rd. N.W, Canton, Ohio 44720.
- ALMOND, DR. GEORGE LEE. Marketing, Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn. dept. merchandising, 70-, School of Business Administration, Youngstown State University, Youngstown, Ohio 44503.
- ALOIA, DEAN VINCENT A, b. Meriden, Conn, Apr. 15, 22; m. 47; c. 3. SC-CIAL SCIENCE. A, B. Syracuse, 49, Ph.D, 53. Assoc. prof. polit. sci, R.I. Col, 53-62; ed. adv, Latin Am. Bur, Agency Int. Develop, U.S. Dept. State, 62-66; dir. overseas serv. prog. cent. admin, State Univ. N.Y, Albany, 66-69; DEAN, SOUTHAMPTON COL, 69- Dir, Chilean-Am. Cultural Inst, Valparaiso, Chile, 57-59; lectr. Detense Intel. Sch, 64-; Univ. Chile, summer 59. Consult, Agency Int. Develop. U.S.A, 42-46. Acad. Polit. & Soc. Sci. General education in the social sciences; political theory. Address: Office of the Dean, Southampton College, Southampton, N.Y. 11968.
- ALPER, DR. ARTHUR E(UGENE). Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. spec. ed, 68-, University of Georgia, New Psychology Bldg, Athens, Ga. 30601.
- ALPER, PROF. THELMA G(ARFINKLE). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Helen J. Sanborn prof. psychol, Wellesley, Mass. 02181.
- ALPERN, DR. HERBERT P, b. New York, N.Y. Oct. 3, 40; m. 68. BIO-LOGICAL PSYCHOLOGY, PSYCHOPHARMACOLOGY. B.S. City Col. New York, 63; M.A., Oregon, 65; Ph.D.(biol), California, Irvine, 68. ASST. PROF. PSYCHOL, COLORADO, 68-; RES. ASSOC. BEHAV. GENETICS, INST. BEHAV. GENETICS, 69- AAAS. Drugs and treatments that facilitate or impair memory processes; interaction between memory: amnests without convulsions, Science, 66; auth, Retrograde amnesic effects of diethyl ether and flourothyl, 67 & Retrograde amnesia as a function of duration of electroshock stimulation, 68, J. Comp. & Physiol. Psychol. Address: Dept. of Psychology, University of Colorado, Boulder, Colo. 80302.
- ALPERT, DR. MARK I, b. Duluth, Minn, Nov. 6, 42; m. 67. MARKETING. S.B, Mass. Inst. Tech. 64; M.B.A, Southern California, 65, Commerce Assocs. fel, 65-67, M.S., 67, D.B.A, 68. Lectr. MKT. ADMIN, Calif. State Col. Long Beach, 67-68, ASST. PROF. 68; TEXAS, AUSTIN, 68-Summers, travel-study fel, Europe & Russia, 65, Ford Found grant & Am Mkt. Asn. fel, 66. Mkt. Asn. Quantitative business analysis; identifying determinant product attributes; consumer buying attitudes; pricing decision-making. Publ: Co-auth, Managerial analysis in marketing, 70 & auth, Pricing, 70, Scott; co-auth, Determinant buying attitudes; meaning and measurement, J. Mkt, 10/68. Address: Dept. of Marketing Administration, University of Texas, Austin, Tex. 78712.
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- ALTER, DR. GERALD M(ILTON). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. S.Am. Dept, Int. Bank Reconstruct. & Develop, 70- Address: 5124 Linnean Terr. N.W, Washington, D.C. 20008.
- ALTER, DR. RICHARD D(AVID), b. Boston, Mass, Aug. 24, 39; m. 64. PSY-CHOLOGY. B.A, Ohio Wesleyan, 64; M.A, Utah, 65, Ph.D.(psychol), 67. Res. asst. PSYCHOL, Utah, 62-67, res. assoc, Colorado, 67-68; ASST. PROF, WESTERN ILLINOS, 68-, ASST. TO DEAN COL. ARTS & SCI, 70-AAAS; Psychol. Asn. Experimental social psychology, especially judgmental processes and attitude functioning. Publ: Co-auth, Authoritarianism, dogmatism and use of conceptual categories, J. Personality & Soc. Psychol, 66, Dogmatism and examination performance, J. Ed. Psychol, 67 & The use of instructions and hypnosis to minimize anchoring effects, J. Exp. Psychol, 68. Address: Dept. of Psychology, Western Illinois University, Macomb, Ill. 61455.
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- ALTMAN, DR. JAMES W. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Pres, 69-, Datagraphics, Inc, 4790 William Flynn Highway, Allison Park, Pa. 15101.
- ALTMAN, DR. OSCAR L(OUIS). Economics. See 11th ed, Soc. & Behav. Vols, deceased 68.
- ALTON, DR. THAD PAUL, b. Bayou La Batre, Ala, Nov. 17, 13; m. 43; c. 3. ECONOMICS. A. B. Alabama, 35, M.A., 36; fel, Illinois, 40-42; Soc. Sci. Res. Coun. fel, Columbia, 49, Ph.D. (econ), 53. Instr. math, Illinois, 40-42; Columbia, 46-49; asst. prof. econ, Washington (Seattle), 50-51; economist, U.S. Govt, \$2-55; fel, Ford Found, 55-56; DIR. ECON, RES. PROJ. NAT. INCOME, COLUMBIA, 65- U.S.N, 42-46, Lt.(sg). Econ. Asr. Asr. Adv. Slavic Studies; Acad. Polit. Sci. National income and economic growth of Eastern Europe; comparative economic systems; economic development. Publ: Polish post-war economy, 55, co-auth, National income and product of Hungary in 1955 & Co-auth, Polish mational income and product in 1954, 1955 and 1956, 65, Columbia Univ. Address: 425 Riverside Dr., Apt. 5H, New York, N.Y. 10025.
- ALTSCHUL, DR. SIRI VON REIS. Botanical Taxonomy, Ethnobotany. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- ALTSCHULER, DR. MILTON. Anthropology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Anthropology, Southern Illinois University, Carbondale, Ill. 62901.
- ALTSHULER, DR. ALAN A. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., 69-, Dept. of Political Science, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
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- AMAREL, DR. S(AUL). Electronic Systems Engineering. See 11th ed, Phys. & Biol. Vols.
- AMASON, PROF. ROBERT DANIEL, b. Silverton, Tex, Nov. 9, 29; m. 52; c. 3. MARKETING. B.B.A, Texas A&M, 51, M.B.A, 58; Ph.D. (econ), Arkansas, 63. Asst. prof. MKT, Texas A&M, 60-63, PROF, TEXAS TECH, 63-, DIR. RES, 68- Lectr, Southwest. Bell Tel, 64-66; West. Repub. Col, 65- Mgt. consult, Lubbock Nat. Bank, 63-68; Bus. Res. Assocs, 63- U.S.A.F, 51-52, Lt. Mkt. Asn. Banking; economics. Publ: Pricing policies and practices in the retail lumber and building material industry of Texas, Bi-Eify, 63; A report on the opinions and practices of shareholders relations in banking, Financial Pub. Rels. Asn, 65; A Study of area banks' budget, income, and expense control activities, Bus. Res. Assocs, 67. Address: 4007-23rd, Lubbock, Tex. 1940.
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ANTHROPOLOGY, ARCHAEOLOGY. B.A, Washington (Seattle), 60; M.A,
Brown, 62; Copenhagen, 62-63; Ph.D. (anthrop), Pennsylvania, 67. Instr.
ANTHROP, BROWN, 65-67, asst. prof, 67-70, ASSOC. PROF, 70. U.S.A,
54-56. AAAS; Soc. Am. Archaeol; Am. Anthrop. Asn. American archaeology; prehistoric archaeology and ecology in Alaska. Publ: A stone age
campsite at the gateway to America, Sci. Am, 6/68; Akmak; an early archeological assemblage from onion portage, northwest Alaska, Acta Arctica,
70; Microblade traditions in northwestern Alaska, Arctic Anthrop, 70. Address: Dept. of Anthropology, Brown University, Providence, R.I. 02912.

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ANDERSON, PROF. KENNETH E(UGENE). Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: No longer dean sch. ed, Kansas. Address: 2014 Clifton Court, Lawrence, Kans. 66044.

ANDERSON, DR. KENNETH VERLE. Neuropsychology, Neuroanatomy. See Suppl. V to 11th ed, Phys. & Biol. Vols.

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evaluation through personnel appraisal techniques and feedback of appraisal
force, employment and unemployment in Duluth, 1947-1961, Univ. Minn. 62
& Management and the appraisal interview, Personnel Adminstr. 1-2/68;
auth, Teacher unionism: personal data affecting membership, Phi Delta
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APPLEBAUM, DR. LEON, b. New York, N.Y, Feb. 25, 30; m. 62; c. 2. ECO-NOMICS. B.A, Brooklyn Col, 51; M.A, Wisconsin, 55, Ph.D. (econ), 59. Instrecon, Wisconsin-Milwaukee, 63-59, asst, prof. 59-65; assoc. prof. econ. & Labor ed, Ohio State, 65-67; ASSOC. PROF. ECON. & CHMN. DEPT. UNIV. CENTER SYST, WISCONSIN, MADISON, 67-, ASSOC. PROF. ECON, WISCONSIN-PARKSIDE, 68-, CHMN. SOC. SCI. DIV, 69-, acting chmp, 68-69. Ord.C, U.S.A, 51-53, Res, 53-68, Sygt. Econ. Asn; Indust. Rels. Res. Asn. Labor union financial structures and leadership stability in union organizations. Publ: Officer turnover and salary structures in local unions, Indust. & Labor Rels. Rev, 1/66; Dues and fees structure of local unions, Monthly Labor Rev, 11/66; Comparison of officer turnover and salary structures in local unions, Labor Law J, 12/69. Address: Social Science Division, University of Wisconsin-Parkside, Kenosha, Wis. 53140.

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APTER, PROF. DAVID E. Political Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. polit. develop. 69-, Dept. of Political Science, Yale University, New Haven, Conn. 06520.

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- ARMSTRONG, DR. J. SCOTT, b. Philadelphia, Pa, Mar. 26, 37; m. 64; c. 2. MANAGEMENT SCIENCE. B. A. Lehigh, 59, B.S., 69; Rochester, 60-63; M.S. Carnegie-Mellon Univ, 65; Ph.D. (mgt), Mass. Inst. Tech, 68. Indust. engr., Eastman Kodak Corp, N.Y., 60-83, ASST. PROF. MKT. MGT, WHAR-TON SCH, PENNSYLVANIA, 68- Mem. sr. staff, Mgt. Sci. Center, 68-70. U.S.A, 61. Statist. Asn., Mkt. Asn. Long range sales forecasting and planning; studies on the demand for urban transportation; comparison of alternative statistical methods for analyzing survey data. Publ: The derivation of theory by means of factor analyzing survey data. Publ: The derivation of theory by means of factor analyzis, Psychol. Bull, 11/68; auth, An application of econometric models to international marketing, J. Mkt. Res, 5/70. Address: Dept. of Marketing, Wharton School, University of Pennsylvania, Philadelphia, Pa. 19104.
- ARMSTRONG, PROF. ROSS O, b. Iowa City, Iowa, Sept. 9, 31; m. 57; c. 2. EDUCATIONAL STATISTICS & MEASUREMENT. B.S, Nebr. State Teachers Col, Chadron, 52; M.A, Iowa, 57; Ph.D.(ed), 62. Asst. prof. & res. assoc, Northern Iowa, 57-63; assoc. prof. statist. measurement & dir. dept, Kansasa, 63-66; assoc. prof. res. statist. & assoc. dir. dept, Minnesota, 68-66; PROF. RES. STATIST. & ASST. TO EXEC. V. PRES, WASHINGTON STATE, 67-68; Assoc. dir. Statist. Ass. Higher Ed. Analytical and the decision in the stangle of the standard of the standard of the stangle of the standard of the sta

- ARMSTRONG, WILLIS C(OBURN). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Pres. U.S. Coun, Int. Chamber of Commerce, 89-; sr. lectr. diplomacy, sch. int. affairs, Columbia. Address: 163 Brookstone Dr., Princeton, N.J. 08540.
- ARNAUD, PROF. SARA H(AYES). Clinical Psychology, Child Development. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New information: Clin. assoc. prof. psychol, sch. med, Pittisburgh, 69 Dipl. clin. psychol, Am. Bd. Prfnl. Psychol, 69. Address: Arsenal Family & Children's Center, 40th St. & Penn Ave, Pittisburgh, Pa. 15224.
- ARNOLD, DR. DAVID BROOKS. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Dir. study res. & policy, Ed. & World Affairs of New York, 69 Address: Centre for International Studies, London School of Economics and Political Science, Houghton St, Aldwych, London, W.C.2. Eng.
- ARNOLD, DR. DELBERT D(ONALD). Modern American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- ARNOLD, PROF. GENEVIEVE, b. Montevideo, Minn, Feb. 15, 16. SPEECH PATHOLOGY, PSYCHOLOGY. B.A. Minnesota, 35, M.A., 36; Ph.D. (psychol), Houston, 55. Speech clinician & speech correction super, pub. schs, Minn, 36-42; asst. child psychol, Minnesota, 42-43; instr. speech correction, Hawaii, 43-48; assoc. prof. SPEECH PATH, HOUSTON, 46-56, PROF, 56-, dir. speech clin, 48-67. Vis. lectr, George Washington, summer 47. Mem. bd. dirs, Houston Speech & Hearing Center, Tex, 54-62; consult, Vet. Admin. Hosp, Houston, 62- Speech & Hearing Asn; Goun. Except. Children. Speech and language development and disorders: articulation, stuttering, and autism. Publ: Speech correction materials and tests, Expression, rev. ed, 63; Toward a better understanding of stuttering, Hawaii Ed. J. 5/46. Address: 203 E, University of Houston, Houston, Tex. 77004.
- ARNOLD, DR. WILLIAM R(OBERT). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 68-, Dept. of Sociology, University of Kansas, Lawrence, Kans. 66044.
- ARONFREED, DR. EVA. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, Glassboro State Col. Address: 403 S. Cummings Ave, Glassboro, N.J. 08028.
- ARONOFSKY, DR. JULIUS S. Applied Mathematics. See 11th ed, Phys. & Biol. Vols. & Suppl. II & V.
- ARONS, DR. MYRON MILFORD, b. Detroit, Mich. Oct. 17, 29; m. 62. PSY-CHOLOGY. B.A, Wayne State, 61; D. Univ, Serbonne, 65; M.A, Brandeis, 67; Prof. Eng. Mod. Col. Oyem, Africa, 26-83, ASSOC. PROF. PSY-CHOL. & HEAD DEPT, Prince of Wales Col., 67-89; W.GA. COL., 68-Consult, banking & commerce cmi, Canadian Senate, 67. U.S., 49-50, Res, 50-55. Psychological effects of psychodelic drugs, and legislation pertaining to such studies. Address: Dept. of Psychology, West Georgia College, Carrollton, Ga. 30117.
- ARONSON, DR. H(ARRIET) J(UNE). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of Address: C-200 Church & Panther Rds, Wyncote, Pa. 19095.
- ARONSON, DR. M(OSES) J(UDAH). Legal Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- ARONSON, DR. SIDNEY H(ERBERT). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 47 Ellsworth Rd, Larchmont, N.Y. 10453.
- ARP. DR. DENNIS JEROME, b. Chicago, Ill, Sept. 2, 39; m. 88. CLINICAL & EXPERIMENTAL PSYCHOLOGY. B. S. Lewis Col., 61; M.A. Bradley, 62; Ph.D. Iclin. psychol, Washington (St. Louis), 68. Intern clin. psychol, Calesburg State Res. Hosp, 62-63; proj. dir. psychother. res, Soc. Sci. Inst, Washington (St. Louis), 68-618; ASST. PROF. COMMUN. RES, BOSTON, 68-70. Proj. dir. for Nat. Insts. Ment. Health grant, 68-69; prin. investr. Boston Univ. grant in aid, summer 69. Consult, Harvard Sch. Pub. Health, 68-clin. psychol. consult, Vet. Admin. Hosp, Palo Alto, Callif, 69-70. Psychol. Asn. Content analysis; psychotherapy; statistical analysis; experimental design; computerized textual analysis; learning theory; survey and psychopharmaceutical research. Address: Dept. of Communication Research, Charles River Campus, Boston University, Boston, Mass. 02215.
- ARSENIAN, PROF. SETH. Psychology. See A-K Vol., 11th ed., Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Psychology, U.S. International University, Elliott Campus, 8655 Pomerado Rd, San Diego, Calif. 92124.

- ARTES, DR. RICHARD H, b. Ionia, Iowa, Apr. 19, 26; m. 52. SPEECH PA-THOLOGY. B.A, Arizona State, 49; M.A, Iowa, 51, Ph.D.(speech path), 67; summers, Northwestern, 53-55. Speech therapist, pub. schs, Minn, 50-52; Burris Lab, Sch, Ball State, 52-64; speech pathologist, Vet. Admin. Hosp, Iowa City, Iowa, 64-66; ASSOC. PROF. SPEECH, BALL STATE, 68- Speech & Hearing Asn; Coun. Except. Children. Aphasia; organic speech disorders. Address: Dept. of Speech, Ball State University, Muncic, Ind. 47306.
- ARTH, MAURICE P(HILLIP). Economics, Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Managing officer instal. mgt. div, 69-, Booz, Allen & Hamilton, 245 Park Ave, New York, N.Y. 10017.
- ARTUSY, DR. RAYMOND L, b. July 25, 16; U.S. citizen; m. 37; c. 1. ECO-NOMICS, GEOLOGY. A.B. Southern California, 37, M.S, 39; A.B., St. Mary's (Tex), 52; Stanolind fel, La. State, 52-54, Ph.D. (geol), 60; Colorado, 63-66. Aast. prof. mineral, St. Mary's (Tex), 50-52; geol, Texas Christian, 55-56; v.pres, Univ. Oil & Gas Co, Houston, Tex, 56-57; asts prof. geol, N.Y. Univ, 57-59; chief geologist, Dorfman Prod. Co, Dallas, 59-60; res. assoc, Pa. State, 60-61; res. sel, California, Berkeley, 62-63; lectr. geog, Orgon, 63-64; ASSOC. PROF. ECON, NORTH. STATE COL, 68- Consult, Vameo, Tex, 50-; King & Artusy, 59-60; U.S.A.F, 41-45, 47-49, Maj. Econ. Asn. Geol. Soc. Am; Asn. Petrol. Geol; Paleont. Soc; Soc. Econ. Paleont. & Mineral. Economic development; pollution control; micropaleontology; geomorphology. Address: 250 Fair Place, Boulder, Colo. 80302.
- ASA, DEAN LELAND F, b. Morrill, Nebr, Oct. 3, 31; m. 52; c. 2. PSYCHOL-OGY. B.A, Northwest. Col. (Minn), 54; M.A, Nebraska, Omaha, 62; Ph.D. (counseling psychol), Woyming, 64; Wisconsin, 67. Recreational therapist, Nebr. Psychiat. Inst, 57-58; asst. guid. ed, Wyoming, 61-62; dean students, Trimity Jr. Col. (B.C.), 62-65, assoc. prof. psychol, 65-67; asst. prof. Kearney State Col, 67-69; DEAN COL, TRINITY JR. COL. (B.C.), 69- Psychol. Asn; Personnel & Guid. Asn. Counselor personality and its effect on counselor behavior during the interview. Publ: Counselor personality and interview behavior, Am. Personnel & Guid. Asn, summer 67. Address: Box 789, Trinity Junior College, Langley, B.C, Can.
- ASCOUGH, DR. JAMES CLIFFORD, b. Monaville, W.Va, Aug. 20, 36; m. 58; c. 2. PSYCHOLOGY. B.A, Ohio State, 59; M.A, West Virginia, 62; Ph. D. (clin. psychol), Georgia, 67. Psychologist, Colin Anderson Center, 60-63; counsr, Guid. Center, Georgia, 63-64, ASST. PROF. PSYCHOL, 66-87; PURDUE, 67. Consult, dept. psychol, Cent. State Hosp, Milledgeville, Ga, 67; Dr. Norman M. Beatty Mem. Hosp, Westville, Ind, 68; Ment. Hyg. Clin, Vet. Admin. Regional Off, Indianapolis, 68- Psychol. Asn; Soc. Proj. Tech. & Personality Assessment. Personality, psychol. Asn; Soc. Proj. Tech. & Personality Assessment. Personality, psychol. Asn; Soc. Proj. Tech. & Messacian Bender Gesalt tests, J. Consult. Psychol. 26: 430-434 & Operant verbal conditioning of autonomic responses, Behav. Res. & Ther, 6: 363-370. Address: 1718 Northwestern Ave, West Lafayette, Ind. 47906.
- ASHBROOK, PROF. JAMES BARBOUR. Religion, Psychology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- ASHBURN, PROF. KARL EVERETT. Economics, Finance. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, dir. dept. bus. & econ. & chmn. div. soc. sci, University of Plano, Plano, Tex. 75074.
- ASHER, ROBERT ELLER. Economics, Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New publ: A Forward look at foreign aid: development assistance in the 1970's, Brookings, 70. Address: Dept. of Foreign Policy Studies, Brookings Institution, Washington, D.C. 20038.
- ASHIDA, DR. SACHIO, b. Japan, May 2, 24; U.S. citizen; m. 55; c. 2. PSY-CHOLOGY. B.A. Kwansel Gakuin Univ, Japan, 51; fel, Kyoto, 51-53; M.A. Nebraska, Lincoin, 58, Ph.D. (psychol), 63, Lab. asst. PSYCHOL, Nebraska, Lincoin, 55-54, res. asst, 54-63; Nat. Sci. Found. fel, MICHIGAN, 63-64, lectr, 64-66, res. assc., 64-66, ASST. PROF, 66- Japanese Imperial Army Air Force, 44-45. AAAS, Psychol. Assn. Various problems of incentive motivation and the effects of incentive motivation on learning and performance; the effects of incentive shifts on goal-choice patterns of rats in an open-field. Publ: Co-auth, Study guide to accompany psychology, Harper & Row, 66; auth, Modification by early experience of the tendency toward gregariousness in rats, In: Animal social psychology, Wiley, 69; Effects of consecutive shifts of reward magnitude on runaway performance, Psychol. Reports, 69. Address: 1421 Glen Leven Rd, Ann Arbor, Mich. 48103.
- ASHLEY, E(DWARD) EVERETT, III. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Independent retirement housing consult, 69- Address: 2604 Artington Blvd, Arlington, Va. 22204.
- ASHLEY, DR. WAYNE R(OLLIN). Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Private clin. psychologist, 68-Address: R.R. 1, Lynnwood, Peru, Ill. 61354.
- ASHMEN, DR. ROY, b. Camden, N.J. Oct. 15, 10; m. 44; c. 2. MARKETING MANAGEMENT, ECONOMICS. B. 8, Drexel Inst, 35; M.S. Columbia, 36, prof. cert, 56; Ph.D. (mkd), Northwestern, 50. Instr. com. & statist, Okia, 72; & Mech. Col., 40; Statist. & mkd. Detroit, 40-41; statist, sect. & mkt. res, 1a. State, 41-42; Chief re-47; assoc. prof. Kansas, 47-49; prof. Pace Col., 50-52; supvr. res, acet. contact, Young & Rubican, Inc. N.Y., 52-53; econ. analyst & supv. res. & planning, Nat. Broadcasting Co, Inc., 53-58; ASSOC. PROF. MKT, MARYLAND, 58- Summers, Found. Econ. Ed. fel. 62, 64 & 69; NAPM indust. fel. 64, 66 & 68. Mem. cmt. prod. distribution data, Nat. Distribution Com., 55-56; domestic distribution cmt, Chamber Commerce of U.S., 57-59. U.S.N, 42-46, Res, Lt. Comdr. Mkt. Asn; Acad. Advert; Econ. Asn; Nat. Asn. Bus. Econ; Nat. Asn. Purchasing Mgrs. Behavioral, economic and other social science aspects of marketing; application of scientific method and quantitative techniques to the solution of problems in marketing management, communications and consumer behavior. Address: Dept. of Business Administration, University of Maryland, College Park, Md. 20740.

- ASKEW, PROF. THOMAS ADELBERT, JR. American & Asian History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- ASKWIG, DR. WILLIAM JAMES, b. Billings, Mont, Oct. 24, 30; m. 56; c. 2. ECONOMICS. B.S.B.A, Denver, 58, M.B.A, 62; D.B.A, Texas Tech, 69, Indust. engr, Montgomery Ward & Co, 58-59; salesman, Pet Milk Co, 59-60; teacher, Manual High Sch, 60-62; instr. bus. admin, Pueblo Jr. Col, 62-64; asst. prof. ECON, SOUTH. COLO. STATE COL, 64-68, ASSOC. PROF, 69-Mem, Pueblo Regional Planning Cmn. & South. COL. State Col. Regional Serv. Inst, 67-68. U.S.A.F, 50-54, S/Sgt. Econ. Asn. Housing for low-income metropolitan families. Address: Dept. of Economics, Southern Colorado State College, Pueblo, Colo. 81005.
- ASPELIN, DR ARNOLD LYLE. Agricultural Economics, Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 9705 Kisconko Rd. Oxon Hill, Md. 20022.
- ASTIN, DR. HELEN S(TAVRIDOU). Psychology. See A. K Vol., 11th ed., Soc. & Behav. Vols., New position: Res. assoc, Bur. Soc. Sci. Res, Wash, D.C., 68- Address: 4623 Chevy Chase Bivd, Chevy Chase, Md. 20015.
- ASTIZ, DR. CARLOS A, b. Buenos Aires, Argentina, July 30, 33; m. 59. PO-LITICAL SCIENCE. B.A, Pa. State, 61, M.A, 64, N.Y. State scholar, 65-66, summer, univ. grant, 67, Ph.D. (polit. sci), 68. Career officer, Fed. Criminal Court, Argentina, 35-57; asst. prol. POLIT. SCI, STATE UNIV. N.Y. ALBANY, 64-69, ASSOC. PROF, 69-, ASSOC, CENTER INTER-AM. STUDIES, 64-5 Summers, res. grant, 68, res. fel. de grant-in-ad, 69. Am. Polit. Sci. Asn. Soc. Pub. Admin; Int. Polit. Sci. Asn. Socio-political background and role of the military in selected Latin American countries; foreign policies of Argentina, Brazil, Mexico and Cuba; the Catholic Church as a power factor in Latin American countries. Publ. Pressure groups and power elites in Peruvian politics, Cornell Univ, 69; Latin American international politics. ., Univ. Notre Dame, 69; The Argentine armed forces: their role and political involvement, West. Polit. Quart, 12/69. Address: Dept. of Political Science, 315 Sayles Hall, State University of New York at Albany, 179 Partridge St, Albany, N.Y. 12203.
- ASTRACHAN, DR. BORIS MORTON, b. New York, N.Y. Dec. 1, 31; m. 56; c. 4. PSYCHIATRY. B.A, Alfred, 52; M.D, Albany Med. Col, 56. Intern. U.S. Naval Hosp, St. Albans, L.I., 56-57; res. psychiat, U.S. Naval Hosp, Phila, Pa, 57-58; asst. depot psychiatrist, U.S. Marine Corps Recruit Training Depot, Parris Island, 58-61; res. PSYCHIAT, SCH. MED. YALE. 61-63, instr., 63-65, asst. prof., 65-68, ASSOC. PROF, 68- Consult, psychiatrist, Norwich State Hosp, Conn., 63-69; attend. psychiatrist, Yale-New Haven Hosp, 68; acting dir, Conn. Ment. Health Center, New Haven, 70-AAAS; Am. Med. Asn; Psychiat. Asn; N.Y. Acad. Sci; Group Psychother. Asn. Group and family therapy; systems concepts and their relevance for psychiatric planning and practice. Publ: Co-auth, The psychiatrist's effect on the behavior and interaction of therapy groups, Am. J. Psychiat. 123: 1379-1387; co-auth, Influence of the value system of a psychiatric setting on behavior in group therapy meeting, 3: 165-167 & auth. Towards a social systems model of therapeutic groups, (in press), Soc. Psychiat. Address: Dept. of Psychiatry, Yale University School of Medicine, New Haven, Conn. 06510.
- ASTRACHAN, DR. MYRTLE A(RDATH). Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Dir. clin. serv, Beech Brook Children's Home, 69-Address: 2700 Colchester Rd, Cleveland Heights, Ohio 44106.
- ATCHLEY, DR. ROBERT C, b. San Antonio, Tex, Sept. 18, 39; m. 61; c. 2. SOCIOLOGY, DEMOGRAPHY. A.B, Miami (Ohio), 61; M.A, American Univ, 65, Ph.D. (sociol), 67. ASST. PROF. SOCIOL. & ANTHROP, MIAMI, OHIO, 66-; ASST. DIR. DEMOG, SCRIPPS FOUND. RES. IN POP. PROBS, 70-U.S.M.C, 61-65, Capt. Sociol. Ass; Pop. Assn. Am; Geront. Soc. Gerontology, especially retirement; sociology, particularly methodology and prisonization. Publ: Understanding American society, Wadsworth, 70; The population of O-K-1, Hamilton County, Ohio, 69; Socialization in prison communities, Am. Sociol. Rev., 69. Address: Dept. of Sociology & Anthropology, Miami University, Oxford, Ohio 45056.
- ATHELSTAN, DR. GARY T, b. Minneapolis, Minn, Dec. 26, 36; m. 60; c. 2. PSYCHOLOGY. B.A, Minnesota, 60, fel, 64-65, Ph.D. (bsychol, ed. psychol), 66. Res. asst. counseling, Minnesota, 61-62, teaching asst. rehab. counsr. ed, 62-64; RSS. PSYCHOLOGIST, ED. & OCCUPATIONAL RES. DIV, AM. REHAB. FOUND, 65-, DIR, RES, 67-Asst. prof. col. ed, Mankato State Col., 68-69; guest lectr, med. sch, Minnesota, Minneapolis, 69- Correspondent, Nat. Adv. Cut. Voc. Rehab, 68. U.S.N.R, 54-61. AAS; Cong. Rehab. Med; Nat. Voc. Guid. Asn. Vocational and educational research; interest measurement; psychometrics; behavior modification. Publ: Co-auth, A new approach to prediction of medical specialization, Am. Psychol. Asn. Exp. Pub. Syst, 70; auth, Interest assessment as an aid to recruitment of physiatrists, Arch. Phys. Med. & Rehab, 8/69; co-auth, The SVIB for women and demographic variables in the prediction of occupational tenure, J. Appl. Psychol, 10/69. Address: 5527 Zenith Ave. S, Minneapolis, Minn. 55410.
- ATKIN, PROF. KENWARD, b. Houghton, Mich, Mar. 12, 19; m. 44; c. 4. COMMUNICATIONS, ECONOMICS. A. B. Michigan, 42, M. B. A., 51; Ph. D. (commun), Mich. State, 61. Instr. mk, Michigan, 51; lectr., Detroit Inst. Tech, 53-56; instr. advert, MICH. STATE, 56-60, asst. prof. ADVERT. & COMMUN, 61-64, assoc. prof. 64-68, PROF, 68- Foote, Come & Belding fel, 62. U.S.A, 42-46; Nat. Guard, 46-49, Maj. Asn. Ed. in Journalism; Acad. Advert; Mkt. Asn. Mass communications; consumer behavior. Publ: Managerial advertising, Wiley, 69; Regulation of broadcast advertising, J. Broadcasting, fall 59; Media decisions, Journalism Quart, spring 67. Address: Dept. of Advertising, Michigan State University, East Lansing, Mich. 48623.
- ATKINS, DR. PAUL M(OODY). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired; also lectr. int. & bus. affairs & contrib, Rutgers Report on World Affairs radio prog. Address: 199 Inwood Ave, Upper Montclair, N.J. 07043.

- ATKINSON, PROF. BRIAN RUSSEL, b. Victoria, B.C. Mar. 28, 42; m. 63. PSYCHOLOGY. B.A, Victoria (B.C), 65; M.A, Western Ontario, 66. Psychologist, 8t. Thomas Psychiat Hosp, 66-67; ASST. PROF. PSYCHOL, CALGARY, 69. Develoymental psychology, especially learning disorders in children. Publ: Co-auth, Tactual discrimination and motor skills in mongoloid and non-mongoloid retardates and normal children, Am. J. Ment. Deficiency, 67 & The effects of verbal and tactual pretraining on a form-board task, Can. Psychologist, 67. Address: Dept. of Psychology, University of Calgary, Calgary, Alta, Can.
- ATKINSON, PROF. RICHARD C(HATHAM). Psychology. See A-K Vol., 11th ed, Soc. & Behav. Vols. New position: Chunn, 69-, Dept. of Psychology, Stanford University, Stanford, Calif. 94305.
- ATKINSON, DR. SUE NEWELL, b. Falls City, Nebr, June 19, 23; m; c. 4. ECONOMICS. B.A, Park Col, 44; M.A, Wisconsin, 47, Ph.D.(econ, int. trade), 51. Res. asst. labor reporting. U.S. For. Serv, The Hague, 45-47; mem. adj. staff. ECON, Ga. State Col, 54-56, asst. prof, 57-59; lectr, Baruch Col, City Col. New York, 62-64, asst. prof, 64-66; BRIDGEPORT, 66-68, ASSOC. PROF, 68- Econ. Asn. Monetary factors in business cycle and stabilization problems. Publ: Financial flows in recent business cycles, J. Finance, 3/65. Address: 29 Edgemarth Hill Rd, Westport, Conn. 06860.
- ATTHOWE, DR. JOHN MILBURN, JR. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychol, Montana, 69- Address: 645 Evans Ave, Missoula, Mont. 59801.
- ATWATER, PROF. CHARLES RUSSELL, b. Boston, Mass, Sept. 13, 23; m. 49; c. 4. COUNSELING PSYCHOLOGY. A.B., Gordon Col. (Mass), 49; Houghton Col. 49-50; A.M., Boston, 51, Ed.M., 58, Ed.D, 61; Harvard Divinity Sch, 51-52. Teacher & super, Woodstock Sch, India, 52-57; asst, Boston, 57-58, teaching fel. counseling, 58-59; dean students, STERLING COL., 59-61, assoc. prof. psychol. & hist, 61-65, PROF. PSYCHOL. & HEAD DEPT, 65-, acting head dept. ed, 62-63. Sig. C, U.S.A, 42-46, 5/5gt. Psychol. Asn; Personnel & Guid. Asn; Nat. Voc. Guid. Asn; Asn. Measurement & Eval. Guid. Personnel services; educational measurement. Address: Dept. of Psychology, Sterling College, Sterling, Kans. 67579.
- ATWOOD, DEAN EDWARD C(HARLES), JR. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dean sch. commerce econ. & polit, Washington & Lee, 69- Address: 203 W. Preston St, Lexington, Va. 2445.
- ATWOOD, DR. L(YNN) ERWIN, b. Sloux Falls, S.Dak, Aug. 27, 32; m. 54; c. 1. MASS COMMUNICATIONS. B.S, S.Dak, State Col, 54; M.A, Iowa, 61, Ph.D. [mass commun], 65. Instr. JOURNALISM, 10wa, 62-65, ASST. PROF, 65-67; SOUTHERN ILLINOIS, 67- U.S.A, 54-56, 1st Lt. Asn. Ed. in Journalism. Effects of attitudes on news writing; information selection patterns. Publ: Effects of surce and message credibility apring 66 & Effects of source and message credibility, spring 66 & Effects of source and message credibility on writing style, autumn 66, Journalism Quart; Perception of television program preferences among teenagers and their parents, J. Broadcasting, fall 68. Address: Dept. of Journalism, Southern Illinois University, Carbondale, Ill. 62961.
- AUBREY, PROF. HENRY G. Economics. See 11th ed, Soc. & Behav. Vols, deceased.
- AUERBACH, DR. ARNOLD J. Sociology, Social Work. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. sociol, San Fernando Valley State Col, 69-Address: 9821 Yolanda Ave, Northridge, Calif. 91324.
- AUERBACH, DR. CARL, b. Philadelphia, Pa, Nov. 24, 42; m. 62. PSYCHOL-OGY. B.A, Reed Col, 63; Ph.D. (psychol), Pennsylvania, 68. ASST. PROF. PSYCHOL, YESHIVA, 66-Perception; phenomenology. Address: Dept. of Psychology, Ferkauf Graduate School, Yeshiva University, 55 Fifth Ave, New York, N.Y. 10003.
- AUERBACH, PROF. CARL A. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- AUFRICHT, DR. HANS. International Law. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Prof. lettr. law, nat., law center, George Washington, 68- Address: 4200 Cathedral Ave. N.W, Washington, D.C. 20016.
- AUGELLI, PROF. JOHN. Geography. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. 70-, Center for Latin American Studies, University of Illinois, Urbana, III. 61801.
- AULTMAN, DEAN DONALD S, b. Gadsden, Ala, Sept. 22, 30; m. 50; c. 2. EDUCATIONAL PSYCHOLOGY. B.A, Samford, 64; Ed.D.(ed. psychol), Tennessee, 69. State youth dir, Church of God, Mich, 64-58 & Fla, 58-60, asst. nat. youth dir, 60-64, nat. youth dir, 64-68; V.PRES. & DEAN, LEE COL. (TENN), 68- Instr, Tennessee, 67-68. Mem. bd. dirs, Nat. Sunday Sch. Asn, 64-68. Psychol. Asn. Lay leadership 5t & Guiding youth, 65, Pathway Press; A comparison of the word associations of culturally advantaged and disadvantaged children and teachers, Univ. Tennessee, 69. Address: 1460 Church St, Cleveland, Tenn. 37311.
- AUMACK, DR. LEWIS. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. res, Alta. Newstart Inc. Address: P.O. Box 154, Lac La Biche, Alta, Can.
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- 69- Pres, Austin Financial Consultation Serv, 67- Econ. Asn; Finance Asn; Inst. Chartered Financial Anal. Corporate conflict; banking structure and competition. Publ: The proxy contest and corporate reform, Bur. Bus. Res, Grad. Sch. Bus. Admin, Univ. Mich, 65; co-ed, Modern techniques in bank management, Warren, 99; co-auth, Corporations in conflict the tender offer, Masterco, 69. Address: Dept. of Finance, University of Toledo College of Business Administration, Toledo, Ohlo 43006.
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- AUXIER, DR. GEORGE W(ASHINGTON). International Relations, Economic History. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New information: Independent consult. & res. contractor, 68- Address: 12315 Fernmont Lane, Silver Spring, Md. 20902.
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- BAKER, DR. CLINTON A(LLAN), b. Louisville, Ky, June 10, 28; m. 55; c. 2. MARKETING. B.S., Louisville, 55; M.B.A, Indiana, 57, D.B.A. (mkt), 61. Asst. prof. MKT, SOUTH CARCLINN, 59-64, ASSC. PROF, 64- U.S.A.F, 50-53, S/Sgt. Mkt. Asn. Image studies; consumer surveys; sale analysis; brand surveys. Publ: Wholesaling in South Carolina, Univ. S. C., 63; Marketing planning, 64 & Interdependency in the marketing mix, 68, South. J. Bus. Address: Dept. of Marketing, University of South Carolina College of Business Administration, Columbia, S.C. 28208.
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- BAKER, DR. THOMAS WILLIS, b. Philadelphia, Pa, Dec. 12, 38; m. 63; c. 1. EXPERIMENTAL PSYCHOLOGY. A.B, St. Joseph's Col.(Pa), 62; M.A, Wisconsin, Madison, 65, Ph.D.(psychol), 67. ASST. PROF. PSYCHOL, Wis. State, Whitewater, 66-68; LAWRENCE, 68-Psychol. Asn; Psychonomic Soc. Animal learning, especially variables affecting avoidance conditioning; properties of conditioned stimulus and component control within compound stimuli. Publ.: Component strength in a compound CS as a function of number of acquisition trials, 79: 347-352 & Resistance to extinction of components in a compound stimulus as function of the CS1-CS1 interval and practice conditions, 60: 304-310, J. Exp. Psychol; Properties of compound conditioned stimulus and their components, Psychol. Bull, 70: 611-625. Address: Dept. of Psychology, Lawrence University, Appleton, Wis. 54911.
- BAKER, DR. WILLIAM GEDNEY, b. New York, N.Y, May 15, 31; m. 66. PO-LITICAL SCIENCE. B.A, Virginia, 54; M.A, Grad. Inst. Int. Studies, Geneva, 59, Ph.D.(polit. sci.) 65. Res. economist, Battelle Mem. Inst, D.C, 66-70; ECONOMIST, WHO, 70- U.S.A, 54-56, Capt. Polit. Sci. Asn; Acad. Polit. & Soc. Sci; African Studies Asn. International politics and law; United States foreign policy; political and economic aspects of arms control; economics of developing countries. Publ: The United Nations: a case study in American foreign policy, 68. Address: 63 Stonebridge Rd, Monticlair, N.J. 97042.
- BALAGURA, DR. SAUL. Physiological Psychology, Biopsychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- BALANCE, DR. WILLIAM D. G. b. Birmingham, Ala, Aug. 14, 36. PSYCHOL-GY. B.A, Birmingham-South. Col, 57; Ph.D. (clin. psychol), Alabama, 67. U.S. Pub. Health Serv. intern, psychol, inst. human develop, Clark, 61-62; construction of the color of the
- BALDONADO, DR. ORLINO C. Nuclear Engineering, Applied Mathematics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- BALDOS, DR. CORAZON SARINAS. Psychology. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. dir. & psychologist in charge, Garden State Odyssey House, Newark, N.J, 69- Address: 200 E. 27th St, New York, N.Y. 10016.
- BALDWIN, DR. JOHN DAVID, b. Cincinnati, Ohio, June 24, 41; m. 67. PRI-MATOLOGY, SOCIOLOGY. B.A. Hopkins, 63, Ph.D. (sociol, primatology), 67; fel, Freiburg, 63-64. ASST. PROF. SOCIOL, CALIFORNIA, SANTA BAR-BARA, 67- AAAS; Sociol. Asn. Field studies on New World primates, especially Salmiri; analysis of behavior in simulation games. Publ: The social behavior of adult male squirrel monkeys (Saimiri sctureus) in a seminatural environment, 68 & The ontogeny of social behavior of squirrel monkeys (Saimiri sctureus) in a seminatural environment, 69, Folia Primatologica; Influences detrimental to simulation gaming, Am. Behav. Scientist, 69. Address: Depl. of Sociology, University of California, Santa Barbara, Calif. 93106.
- BALDWIN, DR. ROGER, b. Boston, Mass, Nov. 14, 28; m. 49; c. 5. SOCIOL-GOGY, SOCIAL WELFARE. A.B. Boston, 52; M.A., N.Y. Univ, 56, Martin Luther fel, 64, Ph.D. (sociol), 67. Probtn. officer, New York City Probtn. Dept, 55-60, suppr, 60-62; asst. prof. SOCIOL, MUHLENBERG COL, 62-68, ASSOC. PROF, 68- Lectr. Pub. Serv. Inst, Allendown & Phila, Pa, 66-; vis. assoc. prof, Lehigh, 69. Consult, anti-poverty prog, Allentown, Pa, 67-68. U.S.N, 45-49. Sociol. Asn, Soc. Criminol; Nat. Coun. Crime & Delinquency, Juvenile delinquency, crime and family relations; sociological and psychological theory and its applications; study of the police. Publ: The consequences of the overdistension of authority and the police image, 2/70 & The police and the ex-convict: the reciprocity of suspicion, (in press), Criminologica; The police as morals enforcers, In: Sex on the contemporary American scene, (in press). Address: Dept. of Sociology, Muhlenberg College, Allentown, Pa. 18104.
- BALDWIN, DR. WOODROW WILSON, b. Dumas, Tex, Mar. 20, 20. BUSINESS ADMINISTRATION. B.S, Oklahoma, 42; M.A, California, Los Angeles, 47, Ed.D. bus. ed), 52. Instr. bus, California, Los Angeles, 46-52, asst. prof. 52-56; PROF. BUS. AND CHMN. DEPT. BUS. ADMIN, SIMMONS COL, 56-Consult, Lockheed Aircraft, 49; Twentieth Century-Fox Studios, 50; Culver City Sch, 53; Components Sales Corp. N.Y, 61; Crosty Corp. Mass, 66. U.S.A, 42-45. Admin. Mgt. Soc; Soc. Adv. Mgt; Mgt. Asn. European business methods; management decision making. Publ. Co-auth, Gregg speed building for colleges, McGraw, 56 & A guide for the teaching of shorthand and transcription, Calif. Dept.Ed; chap, In: The dynamic world of education for business: issues, trends, forecasts, South-West. Publ. Co, 69. Address: Dept. of Business Administration, Simmons College, 300 The Fenway, Boston, Mass. 02115.
- BALESTER, DR. RAYMOND J(AMES). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: V-provost soc. & behav. sci, Case Western Reserve, 69- Address: 2460 Edgehill Rd, Cleveland Heights, Ohio 44106.
- BALICKA, SOPHYA M. International Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Secy-treas, Balco Screw Mach. Prod. Co, Franklin Park, 68- Address: 4137 Henderson St, Chicago, III. 60641.

- BALL, DR. DONALD W(ATKINS), b. San Francisco, Calif, May 23, 34; m. 59; c. 3. SOCIOLOGY, B.A. California, Santa Barbara, 60; M.S. Oregon, 62; M.A., California, De Angeles, 66, Can. Coun. fels, 68-69, Ph.D. (sociol.), 69. Vis. asst. prof. 80:CIOL, British Columbia, 66; lectr, VICTORIA, 67-69, asst. prof., 69-70, ASSOC. PROF, 70- Grants, Univ. Victoria Faculty Res. Cmt, 67-70, assoc. ed, Pac. Sociol. Rev., 70- Sociol. Asn; Soc. Study Social Probs; Can. Sociol. & Anthrop. Asn. Interaction in natural settings; deviance; comparative and cross-cultural analysis; the family; infrahuman social organization and behavior; microecology. Publ. An abortion clinic ethnography, Soc. Probs, winter 67; Toward a sociology of telephones and telephoners, In: Sociology and everyday life, Prentice-Hall, 68; The problematics of respectability, In: Deviance and respectability, Basic Books, 70. Address: Dept. of Sociology, University of Victoria, Victoria, B.C, Can.
- BALL, DR. ESPY D, b. Atlanta, Ga, Nov. 16, 36; m. 61; c. 2. PSYCHOLOGY.
 A.B, Emory, 62; M.S, Pa. State, 65, Ph.D.(psychol), 67. Intern clin. psychol,
 dept. psychiat, North Carolina, 66-67, ASST. PROF. PSYCHOL, SOUTH
 FLORIDA, 67- Consult. clin. psychologist, Ment. Health Center Polic County,
 Bartow, Fla, 67- U.S.N, 55-59. Psychol. Asn. Personality types; factors
 underlying nurturant behavior. Address: Dept. of Psychology, University of
 South Florida, Tampa, Fla. 38520.
- BALL, DR. THOMAS STRAND. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Res. specialist, Pac. State Hosp, 70- Address: 622 Albona Place, Pomona, Calif. 91766.
- BALLA, DR. DAVID ANDREW, b. Pittsburgh, Pa, July 4, 39; m. 64; c. 1. DE-VELOPMENTAL PSYCHOLOGY. B.A, DePauw, 61; U.S. Pub. Health Serv. fel, Yale, 61-63, M.S. 65, Ph.D. (psychol), 66. Asst. prof. pediat. & chief psychologist children's rehab. unit, med. sch, Kansas, 66-67; RES. STAFF PSYCHOLOGIST, YALE, 67-, CHILD STUDY CENTER, 68- Lectr, Kansas, 66-67. Consult, U.S. Vet. Admin, 67- Motivational determinants of performance of retarded children. Address: Dept. of Psychology, Yale University, 333 Cedar St, New Haven, Conn. 06520.
- BALLER, PROF. WARREN R(OBERT). Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. psychol, 68-, U.S. International University, Elliott Campus, 8655 Pomerado Rd, San Diego, Calif. 92124.
- BALLESTEROS, DR. PAULINO A. International Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also chmn. 70-, Dept. of Economics, Albright College, Box 1, Reading, Pa. 19604.
- BALLIF, DR. BONNIE LAURIS. Educational Psychology. See A-K Vol., 11th ed. Soc. & Behav. Vols. New position & address: Asst. prof., 68-, Graduate School, Fordham University, Lincoln Center, New York, N.Y. 10023.
- BALLIN, DR. MARIAN R(UTH). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Private counseling practice, 69- Address: Route 1, Box 2205, Applegate, Calif. 95703.
- BALMUTH, PROF. JEROME. Philosophy, Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- BALSWICK, DR. JACK ORVILLE, b. Turlock, Calif, May 15, 38; m. 62; c. 2. SOCIOLOGY, B.A., Chico State Col, 60; M.A., Iova, 62; W.E.W. fel. & Ph.D. (sociol), 67; Trinity Evangel. Divinity Sch.(III), 67-68; A.SST. PROF. SOCIOL ASS, PACK, Colling State, Oshkosh, 64-67; Trinity Col. (III), 67-68; GEORGIA, 68-SOCIOL ASS, PACK, Colling State, Oshkosh, 64-67; Trinity Col. (III), 67-68; GEORGIA, 68-SOCIOL ASS, PACK, Colling State, Colling State,
- BALTZ, DR. HOWARD BURL. Applied Statistics, Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New publ: Fundamentals of business analysis, 70 & Study guide for fundamentals of business analysis, 70, Prentice Hall. Address: School of Business Administration, University of Missouri at St. Louis, Mc. 63121.
- BALYEAT, PROF. RALPH EVERETT, b. Jasper, Mich, June 26, 06; m. 60; c. 2. RNDUSTRIAL PSYCHOLOGY. B. S. Ohio State, 28; M.A. Toledo, 32; P.E. Purdue, 50; P.D. (Indust. rels. & psychol), Minnesota, 59 E. Engr. Am. Tel. & Tel. Co, Ohio, 28-34; asst. mgr. Goodyear Co, 35-36; instr. high sch, 36-42; dir. coop, training, Evansville Col, 45-46; mem. faculty, Purdue, 46-55; res. fel, Minnesota, 55-56; mem. faculty, Wichita State, 86-57; PROF. MGT, CEPORIA, 59-, DIR. EMPLOYEE RELS. INST, 62- Inf. Bus. Mach. 161, Quant. methods in bus, 54th cord tours, 55; Health, Ed. & Welfare res. grants, 65-80. U.S.N.R. 42-45. Indust. Rels. Res. Asn. Research, service and instructional projects dealing with all phases of employer-employee re-

- lationships; policies and practices in business, industry and education. Publ: The development of an audit tool and technique for measuring communications effectiveness in a firm, Acad. Mgt, 62, Institutional practice concerning faculty status and rewards, Current Issues in Higher Ed, 66, The case for direct incentives, Indust. Eng. J, 12/69, Address: University of Georgia, 226 White Avenue Bldg, Athens, Ga. 30601.
- BANDEEN, DR. R(OBERT) A(NGUS). Econometrics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: V.pres. corp. planning & finance, 68-, Canadian National Railways, P.O. Box 8100, Montreal 101, Que, Can.
- BANET, DR. ANTHONY GEORGE, JR, b. New Albany, Ind, Aug. 11, 37; m. 83; c. 4. CLINICAL PSYCHOLOGY. A.B, Bellarmine Col, 59; M.A, Indiana, 62; Ph.D. (psychol), Catholic Univ, 56. ASST. PROF. PSYCHIAT, SCH. MED, INDIANA, 68- Univ. fel. child psychol, sch. med, Indiana, 66-68; chief psychologist, Marion County Community Ment. Health Center, 69-Psychol. Asn, Orthopsychiat. Asn. Group processes; family and individual psychotherapy. Address: Dept. of Psychiatry, School of Medicine, Indiana University, Indianapolis, Ind. 46207.
- BANKS, DR. FRANKLIN R, b. Sanford, Fla, Nov. 20, 34; m. 62; c. 2. SOCI-OLOGY. B.A, Rollins Col, 56; M.A, Ohio State, 59, voc. rehab. admin. fel, 63-64, Nat. Insts. Health fel, 64-66, Ph.D. (sociol), 68. Res. assoc, Ohio Dept. Health, 59-63; instr. PREV. MED, OHIO STATE, 66-68, ASST. PROF, 68-Consult, Franklin County Child Health Study, 67-68. Sociol. Asn, Soc. Study Soc. Prob. Social factors in the etiology and ecology of disease; social components in health behavior; social organization of health care. Address: Dept. of Preventative Medicine, Ohio State University College of Medicine, Columbus, Ohio 43210.
- BANKS, DR. MICHAEL EDWARD, b. Wallace, Idaho, July 13, 38; m. 62; c. 1. PSYCHOLOGY, SPECIAL EDUCATION. B.S. Okia. State, 62; M.S. New Mexico Highlands, 64; Ph.D. (ed. psychol), Kanasa, 68. Res. psychologist, Franklin Pierce Sch. Dist, Tacoma, Wash, 68-69; ASST. PROF. PSYCHOL. & SPEC. ED, EAST TEXAS STATE, 69. Teaching procedures; educational media; contingency management; human and animal learning; apparatus design. Publ: Oc-auth, Paired-associate verbal learning by preschool children, Psychol. Reports, 66; auth, Technical note: a multichannel event recorder, J. Exp. Anal. Behav, 67. Address: Dept. of Psychology & Special Education, East Texas State University, Commerce, Tex. 75428.
- BANKS, DR. WALTER R, b. Paulsboro, N.J, June 18, 36; m. 69. SOCIOLOGY, ANTHROPOLOGY. B.A, Rutgers, 57; M.A, Mich. State, 59, Ph.D.(sociol, anthrop), 63. Instr. soc. sci, Lansing Community Col, 62-63; asst. prof. SOCIOL. & ANTHROP, Oregon State, 63-65; Toledo, 65-70; ASOC. PROF, FISK, 70-Sociol. Asn; Soc. Sci. Study Relig. Collective behavior; sociology of religion. Publ: Black power and church power: two impossible revolutions, J. Sci. Study Relig, (in press). Address: Dept. of Sociology & Anthropology, Fisk University, Nashville, Tenn. 37203.
- BANKS, DR. WILLIAM PREAS, b. May 6, 42; U.S. citizen; m. 69. EXPERIMENTAL PSYCHOLOGY, B. A., St. John's Col. (Md), 64; U.S. Pub. Health Serv. traineeship, Hopkins, 64-67, M.A., 66, Nat. Inst. Ment. Health elt, 67-68, Ph.D. (psychol), 68. U.S. Pub. Health Serv. scholar, exp. psychol, Inst. Human Learning, California, Berkeley, 68-69; ASST. PROF. PSYCHOL, POMONA COL, 69- Measurement and analysis of human learning processes in terms of signal detectability theory; psycholinguistic study of memory; psychophysical scaling of temperature sensitivity; subjective response scales in psychophysical scaling. Publ. Temperature sensitivity: one subjective continuum or two?, Perception & Psychophys, 6: 188-192; Criterion change and response competition in unlearning, J. Exp. Psychol, 82: 216-223; Signal detection theory and human memory, Psychol. Bull, 670. Address: Dept. of Psychology, Pomona College, Claremont, Calif. 91711.
- BANUAZIZI, DR. ALI, b. Tehran, Iran, May 22, 42; m. 67. PSYCHOLOGY. B.S. Michigan, 63; M.A., New Sch. Soc. Res., 65; Ph.D. (gheychol), Yale, 68. ASST. PROF. PSYCHOL, Com. Col, 68-69; SOUTHERN CALIFORINA, 69; ASST. CLIN. PROF. PSYCHIAT, YALE, 69-Psychol. Asn, Soc. Psychol. Study Social Issues; Acad. Polit. & Soc. Sci. Community psychology; social change; personality; social structure. Address: Dept. of Psychology, University of Southern California, Los Angeles, Calif. 90007.
- BAR-ADON, PROF. AARON. Hebrew & Semitic Linguistics & Literature. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.
- BARANOFF, DR. SEYMOUR, b. Brooklyn, N. Y. June 30, 21; m. 43; c. 2.

 MARKETING. B. A., Brooklyn Col., 42; M. S., N.Y. Univ, 48, Ph. D. (bus), 55.

 Head overstock div, Decca Records, Inc, 46-48; instr. mkt, Vermont, 4850; mgr., phonographs & accessories div, Decca Records, Inc, 50-53; PROF.

 MKT, PACE COL., 55- Mkt. Res. & consulting, Sperry & Hutchison, Chicopee Mills, Mkt. Sci. Inst. Exec. Res. Conf., N.Y. Cent. R. R. City of Poughkeepsie, and others, 48- U.S. A. A. F., 43-46, 1st Lt. Mkt. Asn. Derivation
 of theory in marketing and in retailing; history of science in marketing.

 Publ: Marketing, In: Encyclopedia of management, Reinhold, 63; Retailing
 as an operating system, In: Theory in marketing, Irum, 64; co-2uth, Selecting channels of distribution for services, In: Handbook of modern marketing,
 McGraw, 70. Address: Dept. of Marketing, Pace College, 41 Park Row, New
 York, N.Y. 10038.
- BARATZ, PROF. MORTON S(ACHS). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmm, 69-, Dept. of Economics, Boston University, Boston, Mass. 02216.
- BARATZ, PROF. RUBIN Z. Economics, Industrial Engineering. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Consult, UN, 69- Address: 4601 Henry Hudson Pkwy, New York, N.Y. 10471.
- BARBER, PROF. HOLLIS W(ILLIAM). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: No longer head, Dept. of Political Science, University of Illinois at Chicago Circle, Chicago, Ill. 80860.

- BARBER, COMDR. JAMES ALDEN, JR, U.S.N, b. Poplar Bluff, Mo, May 6, 34; m. 55; c. 3. POLITICAL SCIENCE, INTERNATIONAL POLITICS. B.A. Southern California, 55; M.A. Vanderbilt, 66; M.A. Stanford, 64, Ph.D. (polit. sci), 65. U.S. NAVY, 55-, asst. prof. naval sci, Vanderbilt, 58-60, opers. officer, U.S.S. Lowry, 60-62, exec. officer, U.S.S. Tucker, 65-66, commanding officer, U.S.S. Hissem, 66-68, PLANS OFFICER & INSTR. NAVAL STRATEGY, NAVAL WAR COL., 68- Polit. Sci. Asn. Strategic studies; naval strategy; arms. control. Publ. Social mobility and voting behavior, Rand McNally, 70; Britain and France: the officer corps and civil-military relations, 12/69 & The objectives of arms control, 2/70, Naval War Col. Rev. Address: Naval War College, Newport, R.I. 02840.
- BARBER, DR. LLOYD I. Business Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: V.pres, 68-, University of Saskatchewan, Saskatoon, Sask, Can.
- BARCLAY, DR. ANDREW M, b. New York, N.Y, July 5, 41; m. 64; c. 2. SO-CIAL PSYCHOLOGY. A B, Yale, 63; M.A, Columbia, 64; Ph.D. (social psychol), Minnesota, 67. Res. asst. Minnesota, 55-67; ASST. PROF. PSY-CHOL, MICH. STATE, 67. Soc. Psychol. Study Social Issues; Soc. Proj. Tech. & Personality Assessment. Psychol. Asn. Physiological and psychological components of human motives. Publ. Co-ed, Sexuality: a search for perspective, Van Nostrand-Reinhold, 70; The effect of hostitity on physiological and fantasy responses, J. Personality, 12, 69; The effect of leading aggressiveness on aggressive and sexual fantasies, J. Projective Tech, 2, 70. Address: Dept. of Psychology, College of Human Medicine, Michigan State University, East Lansing, Mich. 48823.
- BARCLAY, PROF. JAMES RALPH. Educational & Counseling Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. ed. psychol. & counseling & chmn. dept, 69-, University of Kentucky, Dicky Hall, Lexington, Ky. 40506.
- BARCUS, DR. FRANCIS EARLE, b. Rossville, Ill, Feb. 1, 27; m. 48; c. 3. COMMUNICATIONS. A.B. Illinois, 52, M.A, 55, Ph.D. (commun), 59. ASSOC. PROF. COMMUN. RES, BOSTON, 59- Consult. to various govt, religious & indust. orgn, 59-69. U.S.A, 45-48, 8/Sgt. Asn. Pub. Opinion Res; Asn. Ed. in Journalism. Critical analysis of content and effects of mass communication in current society. Publ: Alumni administration, Am. Alumni Coun, 68; co-auth, Role distance in Negro and majority fiction, Journalism Quart, winter 66; auth, Parental influence on children's television viewing, TV Quart, summer 69. Address: Dept. of Communications Research, Boston University, 640 Commonwealth Ave, Boston, Mass. 02215.
- BARD, DR. ISAIAH S. Communications, Group Dynamics. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- BARDWICK, DR. JUDITH MARCIA, b. New York, N.Y., Jan. 16, 33; m. 53; c. 3. PSYCHOLOGY. B.S., Purdue, 54; M.S., Cornell, 55; Ph.D. (psychol), Michigan, 64. Lectr. PSYCHOL, MCHIGAN, 65-67, ASST. PROF, 67-Ford Found. pop. res. grant, 67-69. Psychol. Asn, Psychosom. Soc. Psychology of women; psychosomatics in women; psychodynamics of contraception and pregnancy. Publ: Psychology of women, Harper, 70; co-auth, Feminine personality and conflict, Brooks/Cole, 70. Address: Dept. of Psychology, University of Michigan, 529 Thompson, Ann Arbor, Mich. 48104.
- BARG, DR. BENJAMIN. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 16 Huguenot Dr, Larchmont, N.Y. 10538.
- BARKMAN, PROF. FRANCIS ELWOOD. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- BARLEY, DR. DELBERT. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Evangelisches Seminar für Wohlfahrtspflege und Gemeindedienst, 78 Freiburg, Goethestr 2, Germany.
- BARLOW, DR. DAVID H(ARRISON), b. Needham, Mass, Apr. 30, 42; m. 66. PSYCHOLOGY. A. B. Notre Dame, 54; M. A. Boston Col. 66; Ph. D. (exp. psychol), Vermont, 69. Dir. Ciln. training, dept. rehab. & phys. med. Vermont, 68-69; ASST PROF. PSYCHIAT & DIR. PSYCHOL. TRAINING PROG. MED. CENTER, MISSISSIPI, 69- Consult, V. Div. Spec. Ed, 67-68; Vet. Admin. Hosp, Jackson, 69- AAAS; Psychol. Asn; Asn. Adv. Behav. Ther. Experimental analysis of behavior therapy techniques as applied to neurotic disorders and sexual deviation. Publ: Co-auth, The transfer gap in systematic desensitization: an analogue study, 7: 191-197 & An experimental analysis of the effectiveness of shaping in reducing maladaptive avoidance behavior: an analogue study, fin press), Behav. Res. & Ther. Social reinforcement in the modification of agoraphobia, Arch. Gen. Psychiat, 19: 423-437. Address: Dept. of Psychiatry, University of Mississippi Medical Center, Jackson, Miss. 39216.
- BARLOW, DR. ROBERT F(RANCIS). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. econ. & admin, 70-, Whittemore School of Business & Economics, University of New Hampshire, Durham, N.H. 03824.
- BARNARD, BILLINGS. Economics. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New position: Sr. editor, economist, Fed. Reserve Bank Dallas, 69-Address: 6618 Golf Hill Dr, Dallas, Tex. 75232.
- BARNARD, DR. JAMES WILLIAM. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Acting dir, 69-, Institute III: Exceptional Children & Adduls, University of South Florida, Tampa, Fla. 33620.
- BARNES, DR. CHARLES ADAMS. Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Staff Psychologist, 69-, Fairview State Hospital, Costa Mesa, Calif. 92626.
- BARNES, DR. MELVIN W(ALLACE). Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: V.pres, Scholastic Mag. Inc, 69- Address: 9 Hathaway Rd, Bronxville, N.Y. 10708.

- BARNES, DR. SAMUEL H(ENRY). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 2929 Parkridge Dr, Ann Arbor, Mich. 48103.
- BARNETT, PROF. A. DOAK. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Sr. fel, 69-, Brookings Institution, 1775 Masachusetts Ave. N.W., Washington, D.C. 20036.
- BARNETT, DR. DAS KELLEY. Philosophy, Theology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- BARNETT, DR. CORDON J(AMES). Psychology, Psychoanalysis. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Clin. prof., psychol, Adelphi, 69- Address: 69 Washington Ave, Garden City, N.Y. 11550.
- BARNETT, PROF. IRVING. Economics, International Relations. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Asian Studies, State University of New York at New Paltz, New Paltz, New 12551.
- BARNETT, DR. MALCOLM JOEL. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. prof. polit. sci. Wisconsin-Milwaukee, 69- New publ: Politics of legislation, Weidenfield, London, 69. Address: Dept. of Political Science, University of Wisconsin-Milwaukee, Milwaukee, Wis. 35201.
- BARNHART, DR. DONALD STANFORD. Economics, History. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Dept. of Social Science, San Francisco State College, 1600 Holloway Ave, San Francisco Calif, 94132
- BARON, DR. ROBERT ALAN, b. Brooklyn, N.Y, June 7, 43; m. 65; c. 1. PSYCHOLOGY. B.S. Brooklyn Col, 64; City Univ. New York, 64-65; M.A. Iowa, 67, Ph.D. (psychol), 68. ASST. PROF. PSYCHOL, SOUTH CAROLINA, 68- Psychol. Asn. Imitation; aggression; vicarious emotional arousal. Publ: Co-auth, Human social behavior: a contemporary view, Dorsey, 70; auth, Attraction toward the model and model's competence as determinants of adult imitative behavior, 70 & co-auth, Model's behavior and attraction toward the model as determinants of adult aggressive behavior, 70, J. Personality & Soc. Psychol. Address: Dept. of Psychology, University of South Carolina, Columbia, S.C. 29208.
- BARONDES, PROF. SAMUEL HERBERT. Psychiatry, Molecular Biology. See A. K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. psychiat, & dir. res. develop, in psychiat, California, San Diego, 70- Address: University of California at San Diego Medical School, La Jolla, Calif.
- BARRAL, PROF. MARY ROSE. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- BARRETT, DR. JOHN WILLIAM. History, Social Science. See Suppl. I to 5th ed, Dir. Am. Scholars.
- BARRETT, DR. NANCY S, b. Baltimore, Md, Sept. 12, 42; m. 66; c. 1. ECONOMICS. B.A, Goucher Col., 63; M.A, Harvard, 65, Ph.D. (econ), 68. Instr. ECON, AMERICAN UNIV, 66-67, ASST. PROF, 67- Econ. Asn. Economic theory; mathematical economics; econometrics. Publ: A problem in deducing welfare changes from index numbers of real income, J. Polit. Econ, 5/69. Address: Dept. of Economics, American University, Washington, D.C. 20016.
- BARRETT-LENNARD, PROF. G(ODFREY) T, b. Northam, Australia, Apr. 6, 26; m. 48; c. 5. PSYCHOLOGY. B.Sc, Western Australia, 47, B.A. 50; Ph.D. (psychol), Chicago, 59. Asst. prof. psychol, Auburn, 59-61; lectr, Univ. New England, Australia, 61-63, sr. lectr, 64-65; vis. assoc. prof. rehab. inst, Southern Illinois, 65-66; PROF. PSYCHOL, WATERLOO, 66-, acting awards, Univ. New England, Australia, 62-65; summer faculty res. fel, Waterloo, 67. Part-time & consult. work, Student Counseling Serv, Waterloo, 66-; psychol. consult. Hamilton Psychiat. Hosp, Ont, 68- Am. Psychol. Ass., Am. Acad. Psychother; Brit. Psychol. Soc; Int. Asn. Appl. Psychol. Psychotherapy; small-group processes; person perception and facilitative interpersonal processes; dynamics of human communication. Publ: Dimensions of therapist response as causal factors in therapeutic change, Psychol. Monogr, Vol. 76, No. 43; Professional psychology and the control of human behavior, Australian J. Psychol, 17: 44-34; Experiential learning in small groups: the basic encounter process, Proc. Can. Asn. Univ. Student Personnel Serv, 11/67. Address: Dept. of Psychology, University of Waterloo, Ont, Can.
- BARRIER, PROF. MARGARET ANN, b. High Point, N.C., Aug. 9, 29. SOCI-OLOGY. B.A, Mary Baldwin Col., 50; M.A, North Carolina, Chapel Hill, 52; Columbia, 55-56. Instr. SOCIOL, Salem Col., 52-55; asst. prof. WEST. COL., 55-59, ASSOC. PROF. & CHMN. DEPT, 59- Vis. scholar, California, Berkeley, 64-65. Sociol. Asn. Sociological theory; history of social thought; population problems; cultural anthropology. Address: 8 Oakhill Dr, Oxford, Ohio 45056.
- BARROIS, DR. AUGUSTA V. Medieval & Renaissance History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- BARRON, DR. FRANK XAVIER. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychol, California, Santa Cruz, 89-Address: 206 Florence Ave, Aptos, Calif. 95003.
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- BARRUS, DR. GEORGE S, b. Long Beach, Calif, Feb. 26, 25; m. 48; c. 8. MASS COMMUNICATION. B.S. Utah, 50; M.A. Brigham Young, 64; Ph.D. (mass commun), lowa, 70. Copywriter & prod, Gilham Advert. Agency, Salt

Lake City, Utah, 54-57; admin. asst. to pres, Col. South. Utah, 57-67; AS-SOC. PROF. COMMUN, BRIGHAM YOUNG, 67- U.S.N, 43-46, Lt.(jg). Advertising copywriting—broadcast and print; community journalism. Publ: Survey of U.S. press associations lists services of varying complextism. Dwar Dulhster 11/65 & Mo. Press News, 2/65; Utah's busiest weekly and central plant operation, Publisher's Auxiliary, 2/67. Address: Dept. of Communications, Brigham Young University, Provo, Utah 34601.

BARRY, PROF. DONALD DELYLE, b. Cleveland, Ohio, Apr. 12, 34; m. 61. PO-LITICAL SCIENCE. B. A, Ohio, 56; M. A, Syracuse, 59, Ph.D. (polit. sci), 63. Asst. prof. POLIT. SCI, LEHIGH, 63-66, assoc. prof. 66-70, PROF, 70- Res. fel, Russian Res. Center, Harvard Univ, 67-68; Inter-Univ. Cmt. on Travel Grants res. grant for study in Moscow, 68; summer, Fubright travel grant, 69. Polit. Sci. Asn. Comparative politics; Soviet law and politics; American administrative law. Publ. Ed. & contrib, Governmental tort liability in eastern Europe, Leiden, Netherlands, 70; co-auth, The Soviet legal profession, Harvard Law Rev, 11/68; auth, Law and social science; recent developments, In: Social thought in the Soviet Union, Quadrangle, 69. Address: Dept. of Government, Lehigh University, Bethlehem, Pa. 18017.

BARRY, DR. JOHN J. JR, b. South Boston, Mass, Mar. 8, 25; m. 46; c. 3. PHYSIOLOGICAL PSYCHOLOGY. A.B. Dartmouth Col. 48; A.M. Boston, 49; Ph.D. (physiol. psychol), 58. Res. psychologist, Boston Vet. Admin. Hosp, Mass, 56-57, chief neurol. res. lab, 57-63; sr. scientist, defense & space center, Westinghouse Elec. Corp. Md, 63-67, f.el. scientist, adv. studies group, Mass, 67-69; ASSOC. PROF. PSYCHOL, EMMANUEL COL. (MASS), 69-1 Lectr. Boston, 58-63; instr, sch. med, 59-62; lectr. Emmanuel Col. (Mass), 58-63; Northeastern, 61-62. Consult, health serv. group, Pa. & systs. studies group, Va, Westinghouse Elec. Corp, 69-70. U.S.M.C.R, 42-46. AAAS. Anatomic and physiologic correlates of behavior; sensory mechanisms, particularly audition; human engineering and life sciences related to equipment and weapon systems. Publ: Human engineering: design of sublunar drill system, Vols. I. & II, Westinghouse Elec. Corp, 64-65; co-auth, Effect of stimulus intensity on escape responding, Psychol. Reports, 57 & A high power noise amplifier, Exp. Anal. Behav, 61. Address: 37 High St, Stoneham, Mass. 02180.

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BARUA, DR. TUSHAR KANTI, b. Chittagong, E. Pakistan, Oct. 31, 35; m. 68. ETHNOLOGY, ARCHAEOLOGY. B.A, Dacca, 57, M.A, 58; Ph.D. (ethnol), Florence, 64. Field officer, Pept. Archaeol, Pakistan, 61-64; Italian Gov. felt, Florence, 64-65; curator ethnol, Cent. Ethnol. Mus. Pakistan, 65-66; res. grant & collab, prehist. res, Florence, 66-67; lectr. ethnol. & lang, Heidelberg, 67-68; ASST. PROF. ANTHROP, SAN JOSE STATE COL, 68- Mem, Cmt. Orgn. Chittagong Univ, 65-66. AAAS; fel. Am. Anthrop. Asn; fel. Asiatic Soc. Pakistan. South Asian archaeology and ethnology, especially study of ethnic group of Chittagong Hill tracts of East Pakistan and social and cultural change taking place among the group due to impact of technological change. Publ. Two bronze statuettes found in Chittagong Hill, J. Asiatic Soc, Dacca, 66; Scope of Ethnological Museum in East Pakistan, J. Mus. Asn. Pakistan, 63. Address: 19412 De Havilland Drive, Saratoga, Calif. 95070.

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BASHFUL, DR. EMMETT W(ILFORT). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: V.pres, 69-, Southern University in New Orleans, 6400 Press Dr, New Orleans, La. 70117.

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- BATCHELDER, DR. ROBERT C. Christian & Social Ethics. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
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- BATES, DR. DONALD GEORGE. History of Medicine. See Suppl. V to 11th ed. Phys. & Biol. Vols.
- BATES, DR. ROBERT HINRICHS, b. Brooklyn, N.Y, Dec. 5, 42; m. 64; c. 1. POLITICAL SCIENCE. B.A, Haverford Col, 64; Woodrow Wilson fel, Mass. Inst. Tech, 64-65, Nat. Defense Ed. Act fel, 65-66, For. Area fel, 66-69, Ph.D. (polit. sci), 69. ASST. PROF. POLIT. SCI, CALIF. INST. TECH, 69-Fel, Center Int. Studies, Mass. Inst. Tech, summer 69. Polit. Sci. Asn; African Studies Asn. Political development, particularly in Africa; approaches to the study of political behavior. Publ.: Voluntary associations, social change, and politics, Approaches to the study of ethnic behavior A simulation of a conflict in Southern Africa, Center Int. Studies, Mass. Inst. Tech, 69. Address: Division of the Humanities and Social Sciences, California Institute of Technology, Pasadena, Calif. 191109.
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- BATY, DR. ROGER M, b. Helena, Mont, Oct. 2, 37; m. 65; c. 3. COMMUNICA-TIONS, ECONOMICS. B.A., Montans State, 5.8, Woodrow Wilson fel. & Danforth fel, 58-60, Rhodes scholar, 58-61; Nat. Defense Ed. Act fel, Stanford, 67-69, Ph.D, 70. Teacher pub. schs, Mont, 63-64; leader, Exp. int. Living, France, summer 64, field dir. overseas study progs, 64-66; DIR. INTER-CULT. DIMENSION, JOHNSTON COL, REDLANDS, 69-, consult, 68-69. Summer, Instr., Montana State, 64, 66. U.S.A.R, 63-69. Training of teachers for work with children of culturally different backgrounds and for crosscultural service. Publ: The effect of cross-cultural training on selected attitudes of elementary school teacher volunteers: a field experiment, Stanford Int. Develop. Ed. Center, 70; Las órdenes mendicantes y la a culturación religiosa a princopios del México colonval, América Indigean, 68. Address: Intercultural Dimension, Johnston College, University of the Redlands, Rediands, Calil. 22373.
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- BAUMGARTNER, DR. H(ELMUT) W(ALTER). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 109 West St, Oneonta, N.Y. 13820
- BAUMHART, RAYMOND C, S.J. b. Chicago, Ill, Dec. 22, 23. MANAGEMENT, BUSINESS ETHICS. B.S., Northwestern, 45; B.A., Loyola (Ill), 50; M.B.A., HATVARI, 53, D.B.A, 63. Faculty mem, 5t. Xavier High Sch., Cincimati, Ohio, 53-54; vis. lectr., sch. bus. admin, Boston Col., 61-62; faculty mem, sch. bus. admin, Loyola (Ill), 62-64, dean, 64-66; res. assoc, Cambridge Center Soc. Studies, 66-68; EXEC. V.PRES, LOYOLA (ILL), 68- Consuit, Nat. Conf. Christian Employers & Myrs, 63- Cor. ed, American Mag, 65- Trustee, St. Louis Univ, 67- Mem. bd. dirs, Chicago Bus. Indust. Prog., 65-66. U.S.N, 42-64, Lt.(ig). Acad. Mgt. Research on business ethics and social responsibilities of businessmen. Publ: An honest profit, Holt, 68; co-auth, Cases in business ethics, Appleton, 68. Address: Loyola University, 6525 N. Sheridan Rd, Chicago, Ill. 60626.
- BAUMRIN, DR. BERNARD HERBERT. Philosophy. See 5th ed, Dir. Am-Scholars, Vol. IV, Philos, Relig. & Law.
- BAUR, PROF. E(DWARD) JACKSON. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Dept. of Sociology, University of Kansas, Lawrence, Kans. 66044.
- BAWA, DR. UJAGAR S, b. Gujranwala, W.Pakistan, Dec. 15, 27; m. 55; c. 3. ECONOMICS, STATISTICS. Dipl, Inst. Agr. Res. Statist, India, 52; M.A. Punjah, India, 53; AM. Pennsylvania, 62; Ph.D. (Int. develop, econ, statist), Cornell, 68; Sr. res. officer, Planning Cmn, India, 53-65; res. assoc. int. develop, Cornell, 68; asst, prof. econ. 6 bus. admin, Wilkes Col., 68-69; ASSOC. PROF. LECTR. QUANT ECON, HOWARD, 69- Econ. Asn. Inter-sectorial relationships between agriculture and industry through the use of quantitative methods. Publ: Co-auth, Economic analysis in input-output framework, Gokhale Inst, India, 67; auth, Relationship between agricultural production and industrial capital formation, Cornell Univ. 98. Address: Dept. of Economics, Howard University, Washington, D.C. 20001.
- BAXTER, PROF. WILLIAM F. Law, Economics. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- BAYER, DR. ALAN E. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Res. sociologist, 68-, Office of Research, American Council on Education, 1 Dupont Circle, Washington, D.C. 20036.
- BAYLESS, DR. DAVID LEE, b. Alliance, Ohio, June 12, 36; m. 63; c. 3. STATIS-TICS, MATHEMATICS. A.B. Muskingum Col., 60; M.S., Fia. State, 63; Ph.D. (statist), Texas A&M, 68. Asst, Fia. State, 61-63; assoc. mem. staff, Bell Tel. Labs, N.J. 63-64; consult, Gen. Food Tech. Center, N.Y., 64-65; fel, Texas A&M, 65-68; ADI. ASST. PROP. STATES, N.C. STATE, 68. Statistician, Res. Triangle Inst, N.C., 68-; asst. to dir. res, Nat. Assessment of Ed. Proj.

70. Statist. Asn. Industrial applications of statistics and computers specializing in sampling, regression model building, and developing large computer programs. Publ: Co-auth, An empirical study of the stabilities of estimators and variance estimators in P.P.S. sampling, J. Am. Stat. Asn, 64: 540-559. Address: Statistical Research Division, Research Triangle Institute, Research Triangle Park, N.C. 27709.

BAYLEY, DR. DAVID H, b. New York, N.Y, Mar. 26, 33; m. 57; c. 2. POLITICAL SCIENCE. B.A, Denison, 55; M.A, Oxford, 57; Ph.D.(polit. sci), Princeton, 61. Asst. prof. polit. sci, Wisconsin-Miwaukee, 60-61; INT. RFLS, DENVER, 61-65, ASSOC. PROF. 65- Sr. res. fel, Am. Inst. Indian Studies, 63-64. Staff consult, Nat. Crm. on Causes & Prev. of Volence, 68, Polit. Sci. Asn; Asn. Asian Studies. Politics of developing areas; modern India; social unrest in modern India; the role of the police in developing nations and among American minority groups. Publ: Public liberties in the new states, Rand McNally, 64; co-auth, Minorities and the police, Free Press, 69; auth, The police and political development in India, Princeton-Univ, 69. Address: Graduate School of International Studies, University of Denver, Denver, Colo. 80210.

BEACH, PROF. DALE STUART, b. Buffalo, N.Y. Aug. 7, 23; m. 50; c. 2. OR-GANIZATIONAL BEHAVIOR, INDUSTRIAL RELATIONS. B.S. Cornell, 48; M.S. 52. hobust, engr. Westinghouse Elec. Corp. 48-49; Trice Prod. Corp. 49; 50; instr. indust. eng. Cornell, 50-52; asst. prof. Lehigh, 52-54; ORGN. BEHAV. INDUST. RELS. & PERSONNEL MGT. RENSSELARR POLYTECH, 54-63, assoc. prof. 63-68, PROF. 68-6 Consult, Air Prod. & Chem. Inc. 53; New York Tel. Co., 56-62; W. Va. Dujk. & Paper Co., 63; Star Textile & Res. Inc. 63-; N.Y. State Dept. Transportation, 68. Mem, labor arbit. tribunal, Am. Arbit. Asn. mediation & fact-finding panel, Pub. Employ. Rels. Bd, N.Y. cochmm. cmt. orgn. terminology, Am. Nat. Standards Inst, 66-69. Spec. engr. detachment, Oak Ridge, Temp. U.S.A. 43-46. Indust. Rels. Res. Asn. Soc. Adv. Mgt. Personnel management; management of human resources; organization theory; general administration; management philosophy. Publ: Personnel: the management of people at work, 65, 2nd ed, 70 & ed. & auth, Managting people at work: readings in personnel, 71, Macmillan. Address; School of Management, Rensselaer Polytechnic Institute, Troy, N.Y. 12181.

BEADLES, PROF. W(ILLIAM) T(HOMAS). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Nat. ins. ed. adv. State Farm Ins. Co, 68-; sr. ed. consult, Am. Col. Life Underwriters, 68- Address: 112 E. Washington St, Bloomington, Ill. 61701.

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BEAN, MAURICE DARROW, b. Gary, Ind, Sept. 9, 28; m. 51; c. 2. POLITICAL SCIENCE, FOREIGN AFFAIRS. B.A, Howard, 50; M.A, Haverford Col. 54; Georgetown, 50-51; Hopkins, 59 Statist, clerk demog, U.S. Bur. Census, 50-51; for. affairs, U.S. Int. Coop. Admin, 51-53, asst. prog. officer for. assistance, 59-61; opers. officer for. affairs, U.S. Peace Corps, 61-62; regional prog. officer, 62-63, dep. regional dir, 63-64, country rep, 64-63, COUNTRY DIR. FOR. AFFAIRS, U.S. DEPT. TSATE, 66-Southeast Asian studies; federal government administration. Address: 3261 Nebraska Ave. N.W., Washington, D.C. 20015.

BEARD, PROF. BELLE BOONE. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Res. prof, 68-, Research Center, Lynchburg College, Lynchburg, Va. 24504.

BEARDEN, GARY DEE. Plant Breeding, Statistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Pres, Financial Systs. Corp, Wash, D.C. 69- Address: 2706 Bartlett Lane, Bowie, Md. 20715.

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BEATON, DR. C(HARLES) RUSSELL, b. Los Angeles, Calif, Aug. 15, 38; m. 61; c. 3. ECONOMICS. B.A, Willamette, 80; M.A, Claremont Grad. Sch, 67, Ph.D.(econ), 68. Legis. res. analysts, revenue & taxation cmt. Calif. State Senate, 63-64; ASST. PROF. quant. methods & econ, Calif. State Col. Fullerton, 64-67; ECON. & COMMERICE, SIMON FRASER UNIV, 67-Can. Coun. grant, 69-70. Nat. Guard, 56-63. Am. Econ. Asn. Location theory; public finance; econometrics; urban economics; use of econometric techniques in regional economics. Publ: Co-audh, Taxes on business income, Calif. State Senate, 3/65 & The effect of the property tax on manufacturing location, Calif. Div. Real Estate, Calif. State Col. Fullerton, 68. Address: Dept. of Economics, Simon Fraser University, Burnaby 2, B.C, Can.

BEATON, DR. NORMAN JAMES, b. P.E.I, June 17, 39, AGRICULTURAL ECONOMICS, ECONOMICS. B.S, McGill, 82; M.S, N.Dak. State, 65; Ph.D. (econ), Kansas State, 68. ASST. PROF. AGR. ECON, MANITOBA, 68- Am.

Agr. Econ. Asn; Am. Econ. Asn; Can. Agr. Econ. Soc. Marketing and agribusiness. Publ: Basic facts in estate planning, Man. Co-operator, 3/68 & Review of Manitoba to 1990: report of the Commission on Targets for Economic Development, Can. J. Agr. Econ, 7/69. Address: Dept. of Agricultural Economics, University of Manitoba, Winnipeg 19, Man, Can.

BEATTY, PROF. BILLIE CAMP, b. Memphis, Tenn, July 20, 21; m. 61; c. 6. CLINICAL & COUNSELING PSYCHOLOGY. B.S. Memphis State, 43; Ill. Neuropsychiat. Inst, 46; M.A., San Francisco State Col, 56; Ph.D. (counseling psychol), California, Berkeley, 64. Res. chemist, Southwestern, 43-44; res. assoc. psychiat, med. sch, Tennessee, 45-47, pediat. & child guid, 49-52; dir. clin. electroencephalog; lab, Gotten-Hawkes Clin, 52; instr. counseling & psychol, SAN FRANCISCO STATE COL, 58-60, asst. prof. 60-64, assoc. prof. COUNSELING, 64-69, PROF. 69- Intern psychother. with Dr. Nicholas Clinian, 46-18; U.S. Degi. Intell. SSEP. Print. Psychol, 70. Consult, Bur. Colling, 19-18; Clinian, 46-18; U.S. Degi. Intell. SSEP. Print. Psychol, 70. Consult, Bur. Ass. Supv. & Curriculum Develog; Psychol, Ass. Princ. Employ. 61-66: patient-therapist identifications; electroencephalography of the newborn and premature newborn; childhood acute nephritis; cerebral palsy; sickle cell anemia. Publ; Co-auth, Electroencephalography of the newborn visital potentials of babies born of mothers given meperedine hydrochloride (demerol hydrochloride) winbarbital sodium (delvinal sodium) or morphine, Am. J. Disease Child, 6/50; Electroencephalography of the newborn infant. VI studies on premature infants, Pediatrics, 5/51; & Early detection of cerebral injury, J. Pediat, 5/52. Address: 209 Kensington Way, San Francisco, Calif. 94127.

BEATTY, DR. JACKSON, b. Mt. Pleasant, Mich, Oct. 11, 42; m. 65. PSY-CHOLOGY. B.A, Michigan, 64, Ph.D. (psychol), 68. ASST. PROF. PSY-CHOL, CALIFORNIA, LOS ANGELES, 68. AASS. Prain functions and behavior. Publ: Co-auth, Pupli diameter and load on memory, 154: 1583-1585 & co-auth, Perceptual deficit during a mental task, 157: 218-219, Science; auth, Some further studies of grouping elements of a visual student uson the cortical evoked potential, Perception & Psychophys, 6: 373-378. Address: Dept. of Psychology, University of California, 405 Hilgard Ave, Los Angeles, Calif. 90024.

BEAUCHAMP, DR. KENNETH LLOYD, b. Madera, Calif, Apr. 15, 39; m. 61; c. 2. EXPERIMENTAL PSYCHOLOCY. A. B., Whitman Col. 62; Nat. Defense Ed. Act fel, Claremont Grad. Sch, 62, U.S. Pub. Health Serv. fel. & M.A. 563, Ph.D. (psychol), 68. Summer res. scientist, Aeronutronics Div. Philco-Ford 64; instr. PSYCHOL, Calif. State Polytech. Col., Kellogg-Voorhis Campus, 65-66, ass. prof., 66-69, ASSOC. PROF, UNIV. OF THE PACIFIC, 69-AAAS. Curiosity behavior in rodents and children; effects of early experience on later emotional-curiosity behavior in rodents, development of cognitive abilities in young children. Publ. Co-ed, Current topics in experimental psychology, 70 & co-auth, introduction to experimental psychology, 70, Holt; Stimulus change, previous experience, and extinction, J. Comp. & Physiol. Psychol, 68: 607-610. Address: Dept. of Psychology, University of the Pacific, Stockton, Calif. 95204.

BEAUDRIE, JOHN COMSTOCK. Information Science, Systems Engineering See Suppl. V to 11th ed, Phys. & Biol. Vols.

BEAUMONT, RICHARD A(USTIN). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Pres, Orgn. Resources Counsrs, Inc, 69- Address: P.O. Box 535, Sharon, Conn. 06069.

BEBOUT, DR. JAMES E(DWARD). Clinical Psychology, Human Development. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New information: Dir. talent in interpersonal explor. proj, Nat. Inst. Ment. Health, 69- Address: 2728 Shasta Rd, Berkeley, Calif. 94708.

BECHT, PROF. J. EDWIN. Marketing, International Business. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. geog, Oklahoma, 69- Address: 3938 Warwick Dr, Norman, Okla. 73069.

BECHTEL, DR. LELAND PETERMAN, b. May 1, 25; U.S. citizen; m. 46; c. 5. PSYCHOLOGY, B.A, East. Baptist Col., 46; B.D. East. Baptist Theol. Sem., 48; M.A, Temple, 52; Ph.D. (psychol), N.Y. Univ, 63. Instr. PSYCHOL, BATES COL, 57:63, asst. prof., 63-68, ASSOC. PROF., 68. Summers, Nat. Sci. Found. study grant, Inst. Sci. Psychol, 63, Coop. Res. Prog., Off. Ed. U.S. Dept. Health, Ed. & Wellare res. grant, 65, lectr, Univ. New Brunswick, 65. Psychol. consult, Head Start Prog., Androscoggin County Task Force on Soc. Welfare, Inc., 68. Chmn, New Eng., Regional Conf., Danforth Found, 67-68. Psychol. Asn. General-experimental, educational and social psychology, Publ. Test items to accompany readings for educational psychology, Harcourt, 66; co-auth, The effects of a work plan on the resumption of an interrupted task, Proc., 74th Annual Convention, Am. Psychol. Asn, 68. Address: Dept. of Psychology, Bates College, Lewiston, Maine 04240.

BECHTEL, DR. ROBERT BERNARD, b. Pottstown, Pa, Oct. 19, 32; m. 68; c. 2. SOCIAL PSYCHOLOGY. B.A, Susquehanna, 62; U.S. Pub. Health Serv. trainee, Kansas, 62-65, M.A, 64, U.S. Pub. Health Serv. fel, 65-66, Ph.D. (sye/cho), 67. Res. assoc. psychol, ENVIRON, RES. FOUND, 64-88, ASSOC. DIR. RES. 68-; SR. RES. ASSOC. PSYCHOL, GREATER KANSAS CITY MENT. HEALTH FOUND, 68- Res. assoc, Inst. Community Studies, 66-68; lectr, exten. serv, Univ. Kansas, 67-; Nat. Inst. Men. Health grant epidemiol. study Kansas City riots, 68-69. Psychol. Ass, Soc. Psychol. Study Social Issues; Anthrop. Asn. Urban social research; architectural psychology; beliefs and attitudes, social change. Publ: Co-auth, East side, west side, and midwest, Nat. Inst. Ment. Health Epidemiol. Field Sta, Kansas City, 70 & Expectations of social acceptance and compatibility as related to status discrepancy and social motives, J. Personality & Soc. Psychol. Vol. 3, No. 3; auth, Human movement and architecture, Transaction, 5/67. Address: Greater Kansas City Mental Health Foundation, 600 E. 22nd St, Kansas City, Mo. 64108.

BECHTOL, DR. BRUCE EMERSON, b. Oroville, Calif, Aug. 30, 38; m. 59; c. 2. GEOGRAPHY. A.B, Chico State Col, 60; M.A, Oklahoma, 65; Inst. Int. Studies & Overseas Admin, Univ. Oregon fel, Guatemala, 66; Ph.D.

- (geog), Oregon, 69. Indust. surv. adv, U.S. Agency Int. Develop, Guatemala, 67-68; ASST. PROF. GEOG, CHUCO STATE COLD, 68- U.S.M.C., 60-64, Capt. Asn. Am. Geog; Latin Am. Studies Asn. Cultural geography, especially economic geography and field techniques; Latin America as a region. Publ: Notes on the sugar industry of Guatemala, Ore-Geographer, 67; Viruela: la enfermedad y el reto de España, Estudios, Univ. San Carlos, Guatemala, 68; A matter of perception: locational considerations of Guatemala, 68; A matter of perception: locational considerations of industrial considerations of the property of the control of Geographer 10. Address: Dept. of Geographer paphy, Chuco State College, Chico, Calif. 95926.
- BECHTOLD, DR. PETER KLAUS. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 68-, Dept. of Government & Politics, University of Maryland, Collège Park, Md. 20142.
- BECK, DR. ARMIN. Urban Sociology, Educational Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. ed. & dir. 89-, Community Labs, University of Illinois at Chicago Circle, Box 4348, Chicago, Ill. 60680.
- BECK, DR. BENJAMIN B, b. Kingstown, N.Y, June 22, 39; m. 63. PSYCHOL-CGY. B.S, Union Col.(N.Y), 62; M.A, Boston, 63; Ph.D. (psychol), Chicago, 67. Asst, prof. behav. soct., new div, Nasson Col., 67-69; psychol, Grand Valley State Col, 69-70; MEM. STAFF, CHICAGO ZOOL. PARK, 70- AAAS, Animal Behav. Soc. Field study of mammalian behavior and ecology; problem solving; perception. Publ: A study of problem solving by Gibbons, Behaviour, 67: Address: Chicago Zoological Park, Brookfield, III. 60513.
- BECK, DR. BRENDA E. F. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 69-, Dept. of Anthropology & Sociology, University of British Columbia, Vancouver 8, B.C, Can.
- BECK, DR. ISABEL. Psychology. See A.K Vol, 11th ed, Soc. & Behav. Vols. New information: Independent consult, 68-, consult. mem. Instr. Systs. Group, 68- Address: 855 Victor Ave, Apt. 321, Inglewood, Calif. 90302.
- BECK, DR. ROBERT L(EE). Agricultural Economics. See A-K Vol., 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. mkt, 69-, Dept. of Agricultural Economics, University of Kentucky, Lexington, Ky. 40506.
- BECKER, DR. ABRAHAM S(AMUEL). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Publ: Soviet national income 1958-1964, Univ. California, 69 (title change). Address: 1019 Selby Ave, Los Angeles, Calif. 90024.
- BECKER, DR. ALTON LEWIS. Linguistics. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.
- BECKER, DR. MARSHALL HILFORD, b. New York, N.Y., Jan. 18, 40; m. 59; c. 2. MEDICAL SOCIOLOGY B.S, City Univ. New York, 62; M.P.H., Michigan, 64, Ph.D. (pub. health, sociol), 68. Res. assoc. pub. health, sch. pub. health, Mchigan, 88.69; ASST. PROF. PEDIAT. & BEHAV. SCI, SCH. HYG. & PUB. HEALTH, HOPKINS, 69- Proj. dir, U.S. Pub. Health grant, 69-Sociol. Asn, Pub. Health Asn; Polit. Sci. Asn. Diffusion of innovation, health attitudes and behavior; formal organizations; professionals in organizations; public health and medical care. Publ: Predictors of innovative behavior among local health officers, Pub. Health Reports, 12/69; Factors affecting diffusion of innovations among health professionals, Am. J. Pub. Health, 2/70; Sociometric location and innovativeness: reformulation and extension of the diffusion model, Am. Sociol. Rev, 4/70. Address: Dept. of Pediatrics, CMSC 1102, Johns Hopkins Hospital, Baltimore, Md. 21205.
- BECKER, DR. RUSSELL J(AMES). Psychology, Theology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Minister, Glencoe Union Church, 69- Address: 229 Park Ave, Glencoe, Ill. 60022.
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- BECKETT, DR. PETER G. S. Psychiatry. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: St. Patrick's Hospital, James' St, Dublin, 8. Ireland.
- BECKFORD, DR. MARCELL LEONARD, b. Jamaica, W.I. Dec. 10, 26; Can. citizen; m. 64; c. 2. AGRICULTURAL ECONOMICS & MARKETING. B. Sc. Pa. State, 58, M.Sc. 60; Ph.D. (agr. econ), Manitoba, 64. Teacher, Calabar High Sch, 51–55; res. asst. agr. mkt, Cornell, 60–61; res. assoc. freshwater fish mkt, Govt. Can, 66–65; sr. resources analyst, Govt. Man, 65–68; statistician, Dominion Bur. Statist, Govt. Can, 68; ASST. PROF. AGR. MKT, GUELPH, 68–8–Am. Agr. Econ. Soc. Price theory; marketing institutions; statistics. Publ: Co-auth, The physical and economic

- organization of the fisheries of the District of MacKenzie, Northwest Territories, Fisheries Res. Bd. Can, 67. Address: 44 Elginfield Dr, Guelph, Ont. Can.
- BECKHOUSE, DR. LAWRENCE S(TANLEY), b. Nov. 23, 42; U.S. citizen; m. 65; c. 1. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.A. Knox Col.(III), 65; M.A., Vanderblik, 67, Ph.D. Isociol), 69. ASST. PROF. SOCIOL, COL. WILLIAM & MARY, 68 Sociol. Asn. Experimental analysis of role con-nlict resolution, especially behavioral actics employed; inter-personal control and intrapersonal consistency in social behavior. Publ: Co-auth, Interpersonal strategies under conditions of gain or loss, J. Personality, 12/68 & Audience and personality factors in presentation of self, Sociol. Quart, autumn 69. Address: Dept. of Sociology, College of William and Mary, Williamsburg, Va. 23185.
- BECKMANN, PROF. MARTIN J(OSEF). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Prof. appl. math, 69-, Institute for Applied Mathematics, Technical University, Arcisstrasse 21, 8 München 2, West Germany.
- BEDAU, PROF. HUGO ADAM. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- BEDELL, DR. RALPH C. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 208 NROTC, University of Missouri-Columbia, Columbia, Mo. 65201.
- BEDNAR, DR. RICHARD L, b. Las Vegas, Nev, July 11, 38; m. 60; c. 3.
 COUNSELING PSYCHOLOGY. B.S, Brigham Young, 61, M.S, 63; Ph.D. (counseling psychol), Minnesota, 68. Dist. psychologist, Ogden City Schs, Utah, 63-64; instr. & counsr, Minnesota, 64-65; mem. vis. faculyt, Loyola (III), 66-67; instr. & counsr, Minnesota, 67-68; ASST. PROF. PSYCHOL, ARKANSAS, 68.
 Trainee psychol, Vet. Admin. Gen. Med. Hosp, Minneapolis, Minn. & Vet. Admin. Neuropsychiat Hosp, Palo Alto, Calif, 66-67; Out. Patient Ment. Hyg. Clin, Vet. Admin. Hosp. St. Paul, Minn, 67-68; sr. res. scientist, Ark. Rehab. Res. & Training Cenler, Univ. Arkansas, 68-; mem. vis. faculty, Utah State, summer 69. Psychol. Asn. Research methodology; individual and group psychotherapy, particularly identifying the therapeutic parameters that contribute to client improvement or deterioration. Publ. Co-auth. Client susceptibility to persuasion and counseling outcomes, J. Counseling Psychol, Vol. 16, No. 5 & Empirical research on group psychotherapy, In: Handbook of psychotherapy and behavior change, Wiley, 68; auth, Group psychother, (in press); plus others. Address: 1220 W. Ridgeway, Fsyesteville, Ark. 72701.
- BEDROSIAN, DR. HRACH. Personnel & Industrial Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 243 Johnson Ave, Hackensack, N.J. 07601.
- BEDWELL, PROF. THOMAS H(OWARD). Physics, Education. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- BEE, DR. HELEN LUCILLE. Child Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Psychology, University of Washington, Seattle, Wash, 98105.
- BEENHAKKER, DR. HENRI L(OUIS). Management Science, Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Sr. economist, Stanford Research Institute, Menlo Park, Calif. 94025.
- BEER, DR. FRANCIS ANTHONY, b. New York, N.Y, Feb. 5, 39; m. 65. PO-LITICAL SCIENCE. A.B, Harvard, 60; M.A, California, Berkeley, 63, Ph.D. (polit. sci.), 67; Fubirght fel, France, 65-66; NATO fel, Ohio State, 66-67. ASST. PROF. GOVT, TEXAS, AUSTIN, 67- U.S.N.R, 60-62, Lt. Polit. Sci. Asn; Int. Studies Asn. International relations; International organizations; Allantic relations; North African politics. Publ: Integration and disintegration in NATO, Ohio State Univ, 69; ed, Alliances, Holt, 70. Address: Dept. of Government, University of Texas at Austin, Austin, Tex. 78712.
- BEER, DR. LAWRENCE W(ARD). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. prof. polit. sci, Colorado, 69-Vis. res. scholar, Tokyo Univ, 69-70. Address: Dept. of Political Science, University of Colorado, Boulder, Colo. 80502.
- BEER, DR. MICHAEL, b. Tel Aviv, Israel, Nov. 16, 35; U.S. citizen; m. 62; c. 2. PSYCHOLOGY. B.A, Queens Col.(N.Y.), 57; M.S, N.C. State, 58; D. Phili.(psychol), Ohio State, 64. Res. psychologist, Wright Air Develop. Center, U.S. Air Force, 58-62; res. assoc. psychol, CORNING GLASS WORKS, 64-66, MGR. ORON. RES, 66 Lectr. mg.t of mgr. seminars, bur. indust. rels, Michigan, 67-69. U.S.A.F, 58-62, lst Lt. Psychol. Asn. Organizational theory and behavior; leadership; motivation; organization change and development; management development. Publ: Leadership, employee needs and motivation, Bur. Bus. Res, Ohio State Univ. 66; Organization size and job satisfaction, J. Acad. Mgt, 64; Needs and need satisfaction among clerical workers in complex and routine jobs, Personnel Psychol, suggested to the complex of the
- BEGGS, DR. DONALD L(EE), b. Harrisburg, Ill, Sept. 16, 41; m. 63; c. 2. STATISTICS, EDUCATIONAL PSYCHOLOGY. B.S.Ed, Southern Illinois, 63, M.S.Ed, 64; Ph.D. (measurement, statist), lova, 66. Teaching asst, statist, Southern Illinois, 63-64; instr. ED. PSYCHOL, lowa, 65-66; asst, prof, SOUTHERN ILLINOIS, 66-69, ASSOC. PROF, 69-Res, grants, 67-68; participant, Ed. Eval. Inst, 69. Ed. Res. Asn, Nat. Coun. Measurement in Ed; Psychol. Asn. Methodology of research using multiple regression techniques; procedures for evaluating research; teacher expectancy research; physiological measures of anxiety. Publ: Co-auth Research design in the behavioral sciences: multiple regression approach, Southern Illinois Univ, 69 & Readings in educational testing, Simon & Schuster, 69; Uniformity of growth in the basic skills throughout the school year and during the summer,

- J. Ed. Measurement, summer 68. Address: Dept. of Guidance and Educational Psychology, Southern Illinois University, Carbondale, Ill. 62901.
- BEGLEY, DR. CARL E(DWARD). Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1617 San Marco Blvd, Jacksonville, Fla. 32207.
- BEHRENS, PROF. HERMAN D(ANIEL). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 69. Address: 811 S. Johnson St, Ada, Ohio 45510.
- BEIDELMAN, DR. THOMAS OWEN, b. Mar. 21, 31; U.S. citizen. SOCIAL ANTHROPOLOGY. A. B., Illinois, Urbana, 53, A.M., 56; California, Berkeley, 53; Michigan, 56; D.Phil. (soc. anthrop), Oxford, 61. Ford Found res. fel, 61-63; asst. prof. social anthrop, Harvard, 63-65; Nat. Sci. Found. res. fel, center adv. study, Stanford, 65-65; ASSOC. PROF. ANTHROP, Duke, 66-68; N.Y. UNIV, 68- Lectr, Makerere fullv. Col. E. Africa, 68. U.S.A, 53-55. Brit. Asn. Soc. Anthrop; Royal Anthrop. Inst. Gt. Brit. & Ireland. Study of social structure; symbolism; myth and folklore; religion of non-Western societies; East African ethnography and history. Publ: Articles in Africa, Southwest, J. Man, Anthropos, Tanzania Notes & Records & others. Address: Dept. of Anthropology, New York University, New York, N.Y. 10003.
- BEIER, PROF. DELTON CLIFFORD. Clinical Psychology. See 11th ed, Soc.
- BEIRNE, DR. HARRY MICHAEL, b. Orange, N. J, Feb. 22, 36; m. 65; c. 2. PSYCHOLOGICAL PEDIATRICS. B. E. E, Manhattan Col, 58; M. D, Cornell, 62. Intern, Genesee Hosp, N. Y, 62-63; res. pediat, Children's Hosp. Buffalo, 63-65; fel. psychol. pediat. & child develop, div. psychol. pediat, Hosp. Phila, 67-69; PEDIATRICIAN & PROL. DIR. CHILD DEVELOP. PROG. CHIL-DREN'S HOSP. BUFFALO, 69- Med. C, U.S.A, 65-67. Acad. Pediat. Psychological aspects of pediatric practice including child development, the interaction of pediatric illness and child development and behavior; childrearing practices in infants and young children. Address: Children's Hospital of Buffalo, 219 Bryant St, Buffalo, N. Y. 14222.
- BEITTEL, DR. A(DAM) D(ANIEL). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired. Address: 206 Emerystone Terr, San Rafael, Calif. 94903.
- BEIZER, DR. BORIS. Computer & Information Science. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- BEKKER, DR. KONRAD. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Counsr. econ. affairs, Am. Embassy, Bangkok, 68-Address: American Embassy, APO San Francisco 96346.
- BELAIEF, DR. LYNNE. Philosophy, Psychology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- BELCASTRO, DR. FRANK PATRICK. Education, Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 69-, Dept of Education, University of San Diego, Alcala Park, San Diego, Calif. 22110.
- BELCHER, PROF. JOHN C(HESLOW). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Vis. prof. sociol, Puerto Rico, 69- Address: Dept. of Sociology, University of Georgia, Athens, Ga. 30601.
- BELDEN, DR. THOMAS GRAHAM. Operations Analysis, History. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chief historian, Off. Air Force Hist, 70- Address: 7224 Selklirk Dr, Bethesda, Md. 20034.
- BELGRAD, DR. ERIC A, b. Antwerp, Belgium, June 1, 35; U.S. citizen; m. 60; c.2. INTERNATIONAL LAW & POLITICS. A. B, Hopkins, 58, fel. & M.A, 65, Ph.D. [polit. sci), 69, Instr. hist, Baltimore Col. Commerce, 61-66; asst. prof. POLIT. SCI, TOWSON STATE COL, 66-69, ASSOC. PROF, 69- Soc. Int. Law. Political theory. Publ: John Marshall's contributions to American neutrality doctrines, William & Mary Law Rev, winter 67; General principles in international law, Indian J. Int. Law, 10/69. Address: Dept. of Political Science, Towson State College, Baltimore, Md. 21204.
- BELKNAP, DR. LOREN C. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn. dept. soc. serv. & corrections, 69-, University of Nevada, 315 Mack Social Science Bldg, Reno, Nev. 89507.
- BELL, PROF. A(LBERT) HOWARD, b. Hot Springs, Ark, Feb. 15, 24; m. 52; c. 3. CLINICAL PSYCHOLOGY. B.S, Tulane, 51, M.S, 55; Ph.D. (clin. psychol), La. State, 57; cert, Rutgers, 66. Intern clin. psychol, Charity Hosp. & med. center, La. State, New Orleans, 56-57; fel, Vet. Admin. Hosp, Augusta, Ga, 58-60; Vet. Admin. Homet. Hyg. Clin, New Orleans, 57-58; clin. psychologist, Vet. Admin. Hosp, Augusta, Ga, 58-60; Vet. Admin. Homet. Hyg. Clin, Atlanta, 60-62; private practice clin. psychol, 62-65; chief psychologist, East La. State Hosp, Jackson, 65-69; PROF. PSYCHOL. & CHMN. DEPT, TARKIO COL, 69- Instr. Augusta exten, Univ. Georgia & Augusta Col, 58-60. Consult, Ark. Rehab. Serv. & Old Age & Survivor's Ins, 62-65. U.S.N, 42-45. Psychol. Aspectical aspects of disability and adjustment process in chronic disabilities, particularly the physically disabled; alcoholism. Publ: Attitudes of selected rehabilitation workers and other employees toward the physically disabled; 62. & Measure for adjustment of the physically disabled, 67. Psychol. Reports; Measuring adjustment in patients disabled with alcoholism, Quart. J. Studies Alcohol, 69. Address: Dept. of Psychology, Tarkio College, Tarkio, Mo. 64491.
- BELL, A(RTHUR) DONALD. Psychology, Psychology of Religion. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 2821 Alton Rd, Ft. Worth, Tex. 76109.
- BELL, PROF. DANIEL. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Sociology, Harvard University, Cambridge, Mass. 02138.

- BELL, DR. DAVID G, b. Janesville, Wis, Apr. 7, 32; m. 55; c. 2. COUN-SELING. B. Mus. Ed, Milton Col., 57; Nat. Sci. Found. fel, Claremont Grad. Sch., 64; M.S., Wisconsin, 62, Ph.D. (counseling & behav studies), 63. Teacher, high sch, Wis, 57-65; res. asst. superior students, Wisconsin, 65-67; counser, counseling center, SAN FERNANDO VALLEY STATE COL. 67-68, dir. financial aids, 68-69, ASSOC. DEAN STUDENTS, 69- U.S.A., 51-53, Sgt. Personnel & Guid. Asn. Guidance of minority students. Publ. Relationships between test performance, self-views, and leisure-time activities of superior high school freshmen and their reported subsequent leadership, Dissertation Abstracts, 70; College guidance aspects of the E.O.P. Col. Personnel Abstracts, 70; College guidance aspects of the E.O.P. Col. Personnel Abstracts, 70; College San Fernando Valley State College, 18111 Nordhoff St, Northridge, Calif. 91324.
- BELL, DR. GEORGE A(LFRED). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1089 Merrick Dr, Apt. 166, Lexington, Ky. 40502.
- BELL, PROF. GRAHAM B(ERNAT). Psychology. See 11th ed, Soc. & Behav. Vols, deceased 68.
- BELL, HARRY H. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New Information: Independent econ. consult, Studies & Serv. Inc, 69-Address: 2801 31st N.W., Washington, D.C. 2000.
- BELL, DR. JOHN ELDERKIN. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position; Dir, Ment. Res. Inst, 68- Address: 751 De Soto Dr, Palo Alto, Calif. 94303.
- BELL, PROF. PHILIP W(ILKES). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Correction: Provost, Merrill Col, California, Santa Cruz, 68-Address: Dept. of Economics, Merrill College, University of California, Santa Cruz, Calif. 95060.
- BELL, PROF. ROBERT W(ILSON), b. Ord, Nebr, Sept. 29, 13; m. 43; c. 3.
 BUSINESS ADMINISTRATION. B. S. Nebraska State Col, Kearney, 40; M. A.
 Colo, State Col, 46; Ph. D. (mkt), Texas, Austin, 62. Instr. high seh. Nebr.
 40-42; asst.prof. acct, mkt. & statist, Hastings Col, 46-51; mkt, statist. &
 advert, Washburn, 52-57; assoc. prof. mkt. & statist, ARKANSAS, FAYETTEVILLE, 57-63, PROF. MKT. & RES. 63. Consult, U.S. Air Force.
 Topeka, Kans, 56-57; Jasy Mgr. Co. Ark, 59-60; summers, Kans-Mo. Div.
 R.H. Maey, Mo, 66 & 67, May Dept. Stores, St. Louis, Mo. 68 & FamousBarr Co, 69. Chmn, Census Tract Crt. Topeka, 55-57; mem, Urban Renewal Cmt, 56-57. U.S.N.R, 42-45, Lt. Mkt. Asn. Retail audits of stores;
 scientific approach to teaching of retail management, budgeting, and expense
 analysis; behavior patterns in food retailing. Publ: Budgeting for small
 department stores, Small Bus. Admin, 8/63; co-auth, Quantitative determination of manpower requirements in variable activities, J. Retailing, summer 67 & Evaluating the retail salesman, J. Mkt., summer 68 Address: Dept.
 fayetteville, Ark. 270:10.
- BELL, PROF. WALTER HERMAN. Romance Languages, Counseling. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.
- BELL, PROF. WINIFRED. Social Work. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. sch. soc. welfare, State Univ. N.Y. Albany, 68-Address: 2 Van Rensselaer Blvd, Menands, N.Y. 12204.
- BELLAK, DR. ALVIN O(TTO). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Partner, Edward N. Hay & Assocs, 69- Address: 120 S. Van Pelt St, Philadelphia, Pa. 19103.
- BELLEAU, DR. GEORGE SAMUEL, b. Milwaukee, Wis, Nov. 11, 31; m. 52; c. 1. PSYCHOLOGY. Ph.D. (psychol), Southern California, 63. Prin. Culver City Jr. Acad, Calif, 55-58; psychometrist, Rowland Sch. Dist, 60-62; psychologist, Westminster Sch. Dist, 62-64; ASSOC. PROF. PSYCHOL, PA-CIFIC UNION COL., 64- Consult, Los Angeles County Probation Dept, summer 61; Napa County Schs, 67-68; Jiag. & Referral Center, Napa, Solana. Lake & Mendocino Counties, 68- Psychol. Asn. School psychology; psychotherapy; mental health. Address: 884 Ponderosa Dr, Angwin, Calif. 94508.
- BELLI, DR. PEDRO, b. Managua, Nicaragua, Jan. 24, 39; m. 68. ECONOM-ICS. A. B., Amherst Col., 60; Ph.D. (econ), California, Berkeley, 68. ASST. PROF. ECON, CALIFORNIA, RIVERSIDE, 68- Econ. Asn. Publ. Farmer's response to price in underdeveloped areas: the Nicaraguan case, Am. Econ. Rev., (in press). Address: Dept. of Economics, University of California, Riverside, Calif. \$2502.
- BELLUGI-KLIMA, DR. URSULA. Linguistics, Cognitive Psychology. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.
- BELMONT, DR. JOHN MARK, b. Oakland, Calif, Sept. 9, 40; m. 63; c. 1. PSYCHOLOGY. B.A, Reed Col. 62; Nat. Inst. Ment. Health fels, 63 & 67; M.A. George Peabody Col., 63; Ph.D. (psychol), Alabama, 67. Res. fel, YALE, 66-67, RES. PSYCHOLOGIST, 67- Sr. investr, Nat. Inst. Child Health & Human Develop. res. grant, 67-70. Consult, President's Cmt. Ment. Retardation, 69-70. Psychol. Asn; Asn. Ment. Deficiency; Soc. Res. Child Develop. Learning and memory processes in mental retardates and children. Publ: Long.-term memory in mental retardation, in International review of research in mental retardation, 66 & co-auth, Relations of short-term memory to development and intelligence, in: Advances in child development and behavior, Vol. IV, 68, Acad. Press; auth, Perceptual short-term memory in children, retardates and adults, J. Exp. Child Psychol, 5: 114-122. Address: Yale University, 163 York St, New Haven, Conn. 06511.
- BELNIAK, DEAN JOHN P(AUL). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir. summer sessions & coordinator campus conf, 69-, Harpur College, State University of New York at Binghamton, Binghamton, N.Y. 13901.

- BELSHAW, PROF. CYRIL S(HIRLEY). Social Anthropology. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also head dept. anthrop. & sociol, British Columbia, 68-, v.pres, Soc. Sci. Res. Coun, Can, 69- Address: Dept. of Anthropology & Sociology, University of British Columbia, Vancouver 8. B.C. Can.
- BELSHAW, DR. MICHAEL H(ORACE). Economic Development. See A-K Vol, 11th ed, Soc. & Behav. Vols. New positive Prof. econ, Prescott Col, 69-Address: Route 1, Box 375, Prescott, Ariz. 8679.
- BELT, PROF. VIRGINIA McKEMIE. Economics, Finance. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Pres, Financial Prog. of Tustin, Calif. Address: Dept. of Business Finance, California State College, Long Beach, Calif. 90801.
- BELZUNG, DR. L(AURIE) DENNIS. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. econ. & assoc. dean, 69-, Clege of Business Administration, University of Arkansas, Fayetteville, Ark. 72701.
- BENAVIE, DR. ARTHUR, b. Detroit, Mich, Feb. 26, 30; m. 63. ECONOMICS. B.A. Wayne State, 54; M.A. Michigan, 55, fel, 59-60, Ph.D. (econ), 62. Asst. prof. ECON, Princeton, 62-65; ASSOC. PROF, San Francisco State, 65-67; NORTH CAROLIMA, CHAPEL HILL, 67- Sig.C., U.S.A., 55-57, Lt. Mathematical techniques; macroeconomic theory. Publ: Intermediaries and monetary policy, Univ. Michigan Bus. Publ, 65; Monetary-fiscal policy and the debt burden, J. Financial & Quant. Anal, 66; Intermediaries in a macroeconomic model, J. Financia, 967-Address: Dept. of Economics, University of North Carolina, Chapel Hill, N.C. 27514.
- BENCH, DR. NACHMAN, b. Haifa, Israel, Feb. 22, 35; m. 65; c. 1. MANAGE-MENT SCIENCES. B.S. Israel Inst. Tech, 59; M.B.A, N.Y. Univ, 61, Ford Found. fel, 63-64, Ph.D. (opers. res), 65. PRES, BENCH ADVISORS, INC, 65- Adj. assoc. prof. sch. bus, Baruch Col, City Univ. New York, 65-68. Inst. Mgt. Sci. Address: Bench Advisors, Inc, 55 W. 44th St, New York, N.Y. 10036.
- BENDER, PROF. BYRON W(ILBUR). Anthropological Linguistics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Prof. & chmn, 69-, Dept. of Linguistics, University of Hawaii, Honolulu, Hawaii 9682.
- BENDER, DR. DONALD RAY. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Anthropology, University of Minnesota, Minneapolis, Minn. 55455.
- BENDER, DR. HARRY, b. New York, N.Y, June 10, 26; m. 48; c. 3. PSY-CHOLOGY. B.A, Hunter Col., 50; univ. fel. & M.A, Yale, 51, U.S. Pub. Health Serv. fel. & Ph.D. (clin. psychol), 55. Asst. prof. psychol, Colorado, 54-56; from asst. prof. to PROF. PSYCHOL, SAN JOSE STATE COL., 56. U.S.N. 44-68. Psychol. Asan. Institutional reform; undergraduate instruction; behavior modification. Publ: From anarchy towards order in grading, Tower: Learning of color shock & Relative effectiveness of stat. t-box and goal-box cues in the maintenance of avoidance responses, Am. Psychologist. Address: Dept. of Psychology, San Jose State College, San Jose, Calif. 85114.
- BENDER, DR. VIRGINIA LEE, b. Battle Creek, Mich, Aug. 8, 44. PSYCHOL-OGY. B.S. Alabama, 65, M.A., 67, Ph.D. (psychol), 69. ASST. PROF. PSY-CHOL, SAN FRANCISCO, 68- Psychol. Asn; Psychonomic Soc. Self-punitive behavior in rats; learning processes in mental retardates. Publ: Coauth, Self-punitive avoidance behavior: effects of changes in punishment intensity, Psychol. Record, 68; co-auth, Sources of reinforcement in the establishment of self-punitive behavior; 3/69 & auth, Secondary punishment of self-punitive avoidance behavior in the rat, 10/69, J. Comp. & Physiol. Psychol. Address: Dept. of Psychology, University of San Francisco, San Francisco, Calif. 94117.
- BENDER, DR. W(ILSON) R(ALPH) G(RIGGS). Clinical Psychology. See 11th ed, Soc. & Behav. Vols. deceased.
- BEN-DOR, DR. SHMUEL. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 69-, Dept. of Anthropology, Case Western Reserve University, Cleveland, Ohio 44106.
- BENEDETTI, PROF. DAVID THEODORE. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also assoc. dean, 69-, Graduate School, University of New Mexico, Albuquerque, N.Mex. 8710.
- BENES, DR. ELINOR SIMSON. Vertebrate Zoology, Animal Behavior. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- BENEVENTO, DR. L(OUIS) A(NTHONY). Neurophysiology, Neuroanatomy. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- BENFARI, DR. ROBERT. Psychiatry. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. prof, sch. pub. health, Harvard, 69- Address: 7 Mt. Vernon Place, Boston, Mass. O2108.
- BENFER, DR. ROBERT ALFRED. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof. anthrop, 69-, University of Missouri-Columbia, 2035 Switzler Hall, Columbia, Mo. 65201.
- BENJAMINS, DR. JAMES, b. Grand Rapids, Mich, Aug. 24, 09; m. 37; c. 2. PSYCHOLOGY. A.B., Mich. State Norm. Col., 31; M.A., Michigan, 39; Ph.D. (psychol), Ohio State, 49. Youth worker, Family & Children's Serv, Mich., 42–43; children's worker, Cent. Mich. Children's Clin, 43–46; chief psychologist, Children's Center Wayne County, 49–67; DIR. PSYCHOL. DEPT, PLYMOUTH STATE HOME & TRAINING SCH, 68- Psychol. Asn, Orthopsychiat. Asn. Publ. Changes in performance in Performance in Performance in Psychol. Address Plymouth State Home & Training School, Sheiden Rd, Northville, Mich. 40167.

- BENNE, PROF. KENNETH D(EAN), b. Morrowville, Kans, May 11, 08. HU-MAN RELATIONS, EDUCATION. B.S., Kans. State Col, 30; M.A., Michigan, 36; scholar, Columbia, 36-38, Ph.D. (ed., philos), 41. From asst. prof. to assoc. prof. soc. founds. ed., Illinois, 41-46, prof., 48-53; assoc. prof. & res. assoc. Columbia, 46-48; ERERSON PROF. HUMAN RELS, BOSTON, 53- Kilpatrick award, Columbia, 43. U.S.N.R., 42-46, Lt. Comdr. Fel. AAAS; Sociol. Asn; fel. Philos. Ed. Soc. (pres., 50); Adult Ed. Asn. (pres., 55). Application of social science to problems of organizational and institutional change; intergroup and community relations; processes of human relations training. Publ: Co-auth, The planning of change, Holt; auth, 4 conception of authority, Teachers Col; Education for tragedy, Kentucky Press. Address: 8 Kilsyth Terr., Brookline, Mass. 02146.
- BENNER, DR. HAROLD JOHN, b. Ridgeway, Ont, Sept. I, 28; U.S. citizen; m. 61; c. 3. PSYCHOLOGY, EDUCATION B.Sc., Miami (Ohio), 55; B.D., McCormick Theol. Sem, 59; M.A., Mich. State, 64, Ph.D. (consenling psychol), 68. Cost analyst, Trico Prod. Corp, 47-52; asst. pastor, Presby, Church, 59-63; asst. instr. counseling, Mich. State, 65-68, ASST. PROF. PERSONALITY & ADJUSTMENT & ASST. DIR. COUNSELING CENTER, BRADLEY, 68-Psychol. Asn; Personalit & Guid. Asn. Personality: counseling: marriage relationships; laboratory training. Publ; Self-disclosure as a construct, Dissertation Abstracts, 68. Address: Counseling Center, Bradley University, Peoria, Ill. 61604.
- BENNETT, DR. DAVID HARRY. American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- BENNETT, DR. DELMOND N, b. Mitchell, S. Dak, Mar. 9, 18; m. 61; c. 1. SPEECH, PHONETICS. B.A. Washington (Seattle), 55, M.A. 58, Ph.D. (speech), 63. Asst. prof. speech & dir. speech clin, N. Dak. State, 59-61; asst. prof. SPEECH, Illinois, Urbana, 61-63; WASHINGTON (SEATTLE), 64-68, ASSOC. PROP, 68-U.S.A, 46-48. Speech & Hearing Asn; Speech Asn. Am. Speech, communications science; phonetics. Publ: Co-auth, Intelligibility of slow-played speech, 61 & Phonetic distortions in the serial transmission of short speech samples, 68, J. Speech & Hearing Res; Increased intelligibility in the hypausic by slow-play frequency transposition, J. Auditoty Res, 67. Address: Dept. of Speech, University of Washington, Seattle, Wash. 98105.
- BENNETT, DR. JOHN ARTHUR WATSON, b. Ottawa, Ont, Aug. 12, 11; m. 39; c. 2. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. Grad, Royal Mil. Col. Can, 33; M.A. George Washington, 64; Ph.D. (int rels), American Univ, 68. Instr. int. rels, American Univ, 67-68; ASST. PROF. POLIT. SCI, OLD DOMINION, 68-Can, Army, 33-66, Brigs. Polit. Sci. Asn. International relations; the foreign policy role of the American military. Address: Dept. of Political Science, Old Dominion University, Norfolk, Va. 23508.
- BENNETT, DR. JOHN F(RANCIS). Hist. of Sci, Evolution. See 11th ed, Phys. & Biol. Vols. & Suppl. IV.
- BENNETT, DR. JOHN T(OSCAN). Agricultural Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dep. dir. U.S. Agency Int. Develop, Dominican Repub, 69- Address: U.S. Embassy, Santo Domingo, Dominican Republic.
- BENNETT, PROF. RALPH J. Economics, Accounting. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Ph.D.(ed. admin, econ), St. Louis, 68. Prof. econ. & acct. & dir. eve. degree completion prog. 69-, Dept. of Economics & Accounting, Aquinas College, Grand Rapids, Mich. 49506.
- BENNETT, DR. THOMAS LeROY, JR, b. Norwalk, Com, Sept. 25, 42; m. 66. PSYCHOLOGY, Ford Found, fel, New Maxico, 62-65, B.A, 64, NASA fel, 65-68, M.S., 66, Ph.D. (psychol), 68. ASST. PROF. PSYCHOL, Sacramento State Col, 68-70; COLORADO STATE, 70- AAAS. Limbic system and behavior; Hoppocampal electrical correlates of behavior; comparative neuro-anatomy and behavior; effects of early experience on later discrimination learning. Publ: Co-auth, The effect of hyperstriatal lesions on head orientation to a sound stimulus in chickens, Exp. Neurol, 67 & Tachual-kmesthetic feedback from manipulation of visual forms and nondifferential reinforcement in transfer of perceptual learning, J. Exp. Psychol, 68; auth, Hippocampal EEG correlates of behavior, Electroencephalog. Clin. Neurophysiol, 70. Address: Dept. of Psychology, Colorado State College, Ft. Collins, Colo. 80521.
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- BEYER, GLENN H. Economics. See 11th ed, Soc. & Behav. Vols, deceased 69.
- BEYERS, DR. WILLIAM BJORN, b. Seattle, Wash, Mar. 24, 40; m. 68. GE-OGRAPHY. B. A. Washington (Seattle), 62, Ph.D.(geog), 67. ASST. PROF. GEOG, WASHINGTON (SEATTLE), 67-Consult, U.S. Forest Serv, 98-; Nat. Park Serv, 68- AAAS; Econ. Asn; Regional Sci. Asn. Industrial location theory; theories of regional economic structure and economic development. Publ: Economic impact study of Mt. Rainier and Olympic National Parks, Univ. Wash, 63- Address: Dept. of Geography, University of Washington, Seattle, Wash. 38105.
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- BEYRER, PROF. J(OHN) BENJAMIN. Sociology. See 11th ed, Soc. & Behav. Vols, deceased 69.
- BHAGAT, DR. GOBERDHAN. International Relations. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, int. rels. & Asian studies, 69-, Dept. of Political Science, University of Mississippi, University, Miss. 38677.
- BHAGWATI, PROF. JAGDISH NATWARLAL, b. Bombay, India, July 26, 34. ECONOMICS. B. Com, Bombay, 54; M. A. Cambridge, 56; Oxford, 57-59; Ph.D. Jecon), Mass. Inst. Tech, 57. Res. fel. econ, Nuffield Col, Oxford, 59-62; prof, Indian Statist. Inst. Delhi, 62-63; int. trade, sch. econ, Delhi, 63-66; vis. prof. ECON, Columbia, 68-67; PROF, MASS. INST. TECH, 68- Consult, UK Econ. Cmn. Asia & Far East; UN Cmt. on Trade & Develop, UN Indust. Develop. Orgn, Orgn. Econ. Coop. & Develop, Indian Ministries Finance & Commerce: Turkish State Planning Orgn. Publ: The economics of underdeveloped countries, Weidenfeld & Nicolson, Eng. & McGraw, N.Y., 66; Theory and practice of commercial policy, Princeton, 68: Trade, tariffs and growth, Weidenfeld & Nicolson, 69. Address: \$2-280 B, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
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- BHATIA, PROF. SARVAN K, b. Lyallpur, India, Sept. 16, 30; m. 66. ECO-NOMICS. M.A, Punjab, India, 55; William Green fel. & Ph.D. (econ), Ohio State, 63. Prof. ECON. Univ. Syst. 6a, 64-55; ixs. prof. N.C. Wesleyan Col., 65-66; PROF, ARMSTRONG STATE COL, 66- Lectr. econ. probs. & culture of India. Econ. Asn. Economic development and planning in underdeveloped nations. Publ: Development planning and growth, Edwards Bros, 70; Problem of theoretical approach in economic investigation, 65 & Development planning under democracy, 68, Savannah State Col. Bull. Address: Dept. of Economics, Armstrong State College, Savannah, Ga. 31406.
- BHUSHAN, DR. VIDYA, b. Sholda, India, Jan. 5, 28; m. 66; c. 1. EDUCATIONAL PSYCHOLOGY. B.Sc. Agra, 49, M.Sc, 51; M.Ed, Lucknow, 58; Ed.D. (ed. psychol), Indiana, 64. Lectr. math, R.R. Col, Pilkhuwa, 51-83; prin, A.N. Col, Atamanda, 54-87; Hindu Col, Kandhla, 58-61; res. asst. ed, Indiana, Bloomington, 63-64; res. assoc, Chicago, 64-66; asst. prof, Hawaii, 66-69; ASSOC. PROF. ED, LAVAL, 69-Fel, Univ. Chicago, 64-66; US. Collegion, 64-66;
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- BIBBY, DR. JOHN F, b. La Crosse, Wis, Aug. 26, 34; m. 58; c. 2. POLITICAL SCIENCE. B.S, Wis. State, La Crosse, 56; M.A, Illinois, 57; Ph.D. (polit. sci), Wisconsin, 63. Tel. govt, Brookings Inst, 61-62; asst. prof. polit. sci, Wisconsin-Milwaukee, 62-63; Northern Illinois, 63-65; dir. arts & sci, Rep. Nat. Cmt, 65-66, admin. asst. to chmn, 66; asst. prof. POLIT. SCI, WISCONSIN-MILWAUKEE, 66-66, ASSOC. PROF, 68 DIR. RES, HOUSE REP. CONF, U.S. HOUSE REP. 69- Rep. Nat. Cmt. fel, Am. Polit. Sci. Asn, 65-66; summers, Rep. Nat. Conv. fel, Zagleton Inst. & Nat. Center for Ed. in Polits, 64, staff specialist, cmt. on resolutions, Rep. Nat. Conv. 68. U.S.A, 57-58, Res, 56-63. Polit. Sci. Asn. Legislative behavior; political parties and elections. Publ: Co-auth, On Capitol Hill: studies in the legislative process, Holt, 67; auth, Committee characteristics and legislative oversight of administration, Midwest J. Polit. Sci. 2/66; co-auth, Out-party strategy, In: Republican politics, Praeger, 68. Address: Dept. of Political Science, University of Wisconsin-Milwaukee, Milwaukee, Wis. 53201.
- BICKMAN, DR. LEONARD, b. New York, N.Y, July 11, 41; m. 65; c. 1. SO-CIAL PSYCHOLOGY. B.S, City Col. New York, 63; M.A, Columbia, 65; ph.D. (bsychol), City Univ. New York, 69. ASST. PROF. PSYCHOL, SMITH COL, 69- Psychol. Asn. Helping behavior; male-female relationships; held research. Publ. Co-auth, Beyond the laboratory, McCraw, tin press); Note: on the drawing power of crowds of the property of the college, Northampton, Mass. 01060.
- BIDDLE, DR. PHILLIPS R. Rhetoric, Psychology. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- BIDDULPH, DR. HOWARD LOWELL, b. Rexburg, Idaho, Mar. 28, 35; m. 57; c. 5. POLITICAL SCIENCE. B.S. Brigham Young, 59; M.A. Indiana, 61, Ford For. Area fel, 61-62, Ph.D. (got, Russian studies), 66. Instr. POLIT. SCI, Rutgers, 62-68, ASST. PROF, 66-69; VICTORIA, 69- Rutgers res.

- grant, 68. Polit. Sci. Asn. Communist thought and politics; Soviet and comparative politics. Publ: Economics and Soviet foreign policy, In: Economic policy and its environment, Holt, 65. Address: 4312 Houlihan Place, Victoria, B.C, Can.
- BIEBUYCK, PROF. DANIEL P. D. Social & Cultural Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Dept. of Anthropology, University of Delaware, 186 S. College Ave, Newark, Del. 19711.
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- BIERMAN, DR. RALPH, b. New York, N.Y., June 2, 33; m. 54; c. 3. PSY-CHOLOGY, HUMAN RELATIONS. B.A. Yeshiva, 54; Ph.D.(psychol), State Juniv. N.Y. Buffalo, 65. From staff psychologist to chief clin, psychologist, Psychiat. Clin, N.Y., 62-68, dir. res, 66-68; ASSOC. PROF. PSYCHOL, WATERLOO, 68- U.S.A., 57-59. Psychol. Asn. Counseling; child and family therapy; communication training. Publ: Dimensions of interpersonal facilitation in psychotherapy and child development, Psychol. Bull, 69; Personal interaction coding inventory, J. Can. Asn. Univ. Student Personnel Serv. 69; co-auth, Effects of training parents of emotionally disturbed children in interpersonal skills, J. Counseling Psychol, 69. Address: Dept. of Psychology, University of Waterloo, Waterloo, Ont, Can.
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- BIGELOW, DR. LLEWELLYN B. Psychiatry, Biochemistry. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- BIGGER, PROF. CHESTER H, b. Chicago, Ill, Dec. 2, 18; m. 44; c. 2. ECO-NOMICS B.S. Florida, 40; M.B.A, Miss. State, 62: Ph.D. (mgt), Alabama. 69. Asst. prof. mgt, Miss. State, 62-63; instr, Alabama, 63-64, fel; 64-66; assoc. prof. MONTEVALLO, 66-69. PROF. ECON. & ASSOC. DEAN COL. BUS, 69- U.S.A, 40-62, Lt. Col. Acad. Mgt. Management; accounting. Address: College of Business, University of Montevallo, Montevallo, Ala. 35115.
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- BIGHAM, REV. THOMAS J(AMES). Theology, Psychology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
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- Massachusetts, 67-68; George Peabody Col, 69-70; RHODE ISLAND, 70-Univ. Massachusetts Faculty Res. Coun. grant, 67-69, growth grant, summer 68; Nat. Inst. Ment. Health pub. health serv. res. grant, 68-69. Psychol. Asn; Soc. Res. Child Develop. Sex role development; familial antecedents of personality development; etlology, assessment, treatment and prevention of psychological problems related to inappropriate sex role development and paternal deprivation and inadequacy. Publ: Co-auth, Masculine development: an integrative review, Merrill Palmer Quart, 10/67; auth, Father absence and the personality development of the male child, Develop. Psychol, 3/70; co-auth, The father-daughter relationship and the personality development of the female, J. Genetic Psychol, 3/70. Address; Dept. of Psychology, University of Rhode Island, Kingston, R.I. 02881.
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- BILODEAU, PROF. EDWARD A(LFRED). Psychology. See 11th ed, Soc. & Behav. Vols, deceased 68.
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- BILSTEIN, DR. ROGER EUGENE. Modern United States History & Foreign Relations. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
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- BINHAMMER, DR. HELMUT HERBERT F, b. Argentine, S.Am, June 6, 27; Can. citizen; m. 57; c. 1. ECONOMICS. B.A, Western Ontario, 48; M.A, Queen's (onl), 57; Earhart fel, McGill, 59-60, Ph.D. (econ), 61. Lectr, acting registr. & bus. adminstr, Waterloo Col, 50-55; lectr. ECON, Royal Mil. Col. (Onl), 55-58; McGill, 60-61; from asst. prof. to ASSOC PROF, ROYAL MIL. COL. (ONT), 62- Can. Coun. summer fel, 65. Mem, Can. Tax Found. Am. Econ. Asn; Can. Econ. Asn. Publ; Co-auth, Canadian banking and monetary policy, McGraw, Can, 65; auth, Money, banking and the Canadian financial system, Methuen, 68. Address: Dept. of Economics, Royal Military College of Canada, Kingston, Ont, Can.
- BINTZ, DR. JOHN J, b. Waterloo, Iowa, March 16, 36; m. 60; c. 1. PSY-CHOLOGY. B.S. Iowa, 64, M.A., 66, Nat. Inst. Ment. Health fel, 66-67, Ph.D. (psychol), 67. ASST. PROF. PSYCHOL, CALIFORNIA, DAVIS, 66-U.S.A, 55-58. Psychol. Asn. Memory; learning; motivation. Address: Dept. of Psychology, University of California, Davis, Calif. 95616.
- BIRCH, DR. JEREMY D(IXON), b. Utica, N.Y., May 13, 37; m. 61; c. 2. PSY-CHOLOGY. B.A, Hamilton Col., 59; M.A, Columbia, 64, Ph.D. (psychol), 68. ASST. PROF. PSYCHOL, Windham Col., 65-68; attizona State, 68-69; WIND-HAM COL, 69- AAAS; Psychol. Asn. Parameters of avoidance conditioning; stimulus control in free-operant behavior. Publ: Co-auth, Simple transducers to defect and record operant aptitude, J. Exp. Anal. Behav, 61 & Temporal and shock intensity parameters of free operant discriminated avoidance behavior, Am. Psychologist, 64, auth, Differentiation of response characteristics during multiple fixed ratio extinction, Psychol. Reports, 64. Address: Dept. of Psychology, Windham College, Putney, Vt. 05346.
- BIRD, DR. MICHAEL CONRAD, b. Washington, D.C., Aug. 16, 39; m. 63; c. 2. ECONOMICS. B.A, West. Md. Col. 61; Ph.D.(econ), Colorado, 68. Teaching asst. ECON, Colorado, 64-65, teaching assc, 66; vis. prof, Guadalajara, 66-68; ASST. PROF, COLO. COL., 68., Chapman Fund res. grant, summer, 69 & 70. Latin American economic development. Publ. Human resource development and economic growth in the state of Jalislo, Mexico, Int. Econ. Studies

Center, Univ. Colorado, 4/69. Address: Dept. of Economics, Colorado College, Colorado Springs, Colo. 80903.

BIRD, MICHAEL D, b. Vancouver, B.C, Sept. 21, 35; U.S. citizen; m. 58; c. 2. ECONOMICS. B.A, Williams Col, 57; M.A, Michigan, 59. ECONOMIST, U.S. Treas. Dept. 68-68; JOINT CMT. INTERNAL REVENUE TAXATION, U.S. CONG, 68- Meritorious serv. award, U.S. Treas. Dept. U.S.M.C.R, 57-63. Econ. Asn. Horizontal equity in the individual income tax. Address: 12525 Waldo Lane, Silver Spring, Md. 20904.

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BIRNBAUM, PROF. NORMAN, b. New York, N.Y., July 21, 28; c. 2. SOCIOLOGY. A.B., Williams Col, 47; fel, Harvard, 48-52, M.A., 51, Ph.D. (sociol), 58; fels, Soc. Sci. Res. Coun, Heidelberg, Mainz & Marburg, 52-53; M.A., Cxford, 69; M.A., Anherst Col, 69. Res. tutor, Harvard, 49-52; asst. lectr, London Sch. Econ. & Polit. Sci., 53-55, tectr, 55-59; fel, Nuffield Col, Oxford, 59-66; PROF, grad. faculty, New Sch. Soc. Res. 66-68; SOCIOL, AM. HERST COL, 68- Grants, Cent. Res. Fund, London, 56, Am. Philos. Soc. \$8, Soc. Sci. Res. Coun, 59. Rockefeller Found, 61-62, Rabinowitz Found; 66 & Ford Found, 67; vis. lectr, summer sch, Harvard, 59 & 62; vis. prof. Strasbourg, 64-66. Consult, Off. Ed., 63-70. Sociol. Asn; Soc. Sci. Study Relig; Brit. Sociol. Asn, Conf. Int. Conf. Sociol. Relig; German Sociol. Asn. Social theory, the comparative sociology of industrial societies; political sociology and the sociology of intellignon, Prentice-Hall, 68; auth, The crisis of industrial society, Oxford, 69; The sociological analysis of ideology (140-1960); a trend report and bibliography, Current Sociol, 6Address: Dept. of Sociology, Amherst College, Amherst, Mass. 50025.

BIRNBERG, DR. THOMAS BROOKS, b. New York, N.Y, Feb. 11, 41; m. 66. ECONOMICS. B.A, Pomona Col, 62; Ph.D.(econ), California, Berkeley, 68. ASST. PROF. ECON, YALE, 68- Comparative development; econometrics. Address: Dept. of Economics, Yale University, New Haven, Conn. 06520.

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BISH, DR. ROBERT L, b. Seattle, Wash, Sept. 29, 42. ECONOMICS. A. B. Southern California, 64; A. M., Indiana, Bloomington, 66, univ. fel, 67, Inst. Appl. Urban Econ. fel, 67-68; Ph. Diccon), 68. ASST. PROF. ECON. & PUB. AFFAIRS, WASHINGTON (SEATTLE), 68. Econ. AST, PROF. ECON. & PUB. AFFAIRS, WASHINGTON (SEATTLE), 68. Econ. AST, Polit. Sci. Asn; Soc. Pub. Admir; Pub. Choice Soc. Urban economics; state and local public finance; economic approaches to political science; state and local government organization. Publ: Public housing; the magnitude and distribution of direct benefits and effects on housing consumption, J. Regional Sci, 12/69. Address: Graduate School of Public Affairs, University of Washington, Seattle, Wash. 98105.

BISHARA, DR. HALIM I, b. Cairo, Egypt, Oct. 8, 23; Can. citizen; m. 62; c. 3. BUSINESS FINANCE. B. Com. Cairo, 51, M.Com. 56; M.B.A, Wisconsin, 60, Ph.D. (bus. finance), 61. Teacher bus. admin, Trade Col, Cairo, 51-52; demonstr, Cairo, 52-55, asst, 55-57; statist, Wisconsin, 59-61; asst. prof. bus. admin, Cairo, Kharboum, 61-65, assoc. prof., 65-66; asst. prof. finance & mkt, Memorial Univ, 66-68; ASSOC. PROF. bus. finance & investment, Dalhousie, 68-70; BUS. FINANCE, SASKATCHEWAN, 70- Participant, Asn. Can. Schs. Bus, summer 69. Publ: Government intervention impact on corporation, Prinl. J. Egypt, 56; Commercial banking system in Sudan, 64 & Industrial development in Sudan in the last 100 years, 65, Prinl. J., Sudan. Address: College of Commerce, University of Saskatchewan, Saskatoon, Sask, Can.

BISHOP, DR. CHARLES ALDRICH, b. Kingston, Ont, Dec. 13, 35; m. 68.
ANTHROPOLOGY. B.A, Toronto, 61, Can. Coun. scholar, 62, Ont. Prov. scholar, 6 M.A, 63; Ph.D. (anthrop), State Univ. N.Y. Buffalo, 69. Asst. prof. ANTHROP, Fla. State, 67-69; Eastern New Mexico, 69-70; ASSOC. PROF, STATE UNIV. N.Y. COL., OSWEGO, 70- Summers, res. grants, Nat. Mus. Can., 68 & 70 & instin. res. grant, Nat. Sci. Found, 70. Anthrop. Asn, fel. Ethnol. Soc. Ethnology, Six Nations Iroquois Reservation; Northern Algonkian Archival. Publ: The northern Ojibwa: an ethnolistorical study, Nat. Mus. Can, (in press); The emergence of hunting territories among the northern Ojibwa, Ethnology, 170. Address: Dept. of Anthropology, State University of New York College at Oswego, Oswego, N.Y. 13126.

BISHOP, PROF. F. MARIAN. Sociology, Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. 69-, Dept. of Community Health & Medical Practice, University of Missouri School of Medicine, Columbia. Mo. 65201.

BISSONNETTE, PRES. GEORGES L(OUIS). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Pres, 68-, Assumption College, , Worcester, Mass. 01609.

BISWAS, DR. ASIT KUMAR, b. Balasore, India, Feb. 25, 39. ECONOMICS, WATER RESOURCE SYSTEM PLANNING. B. Tech, Indian Inst. Tech, Kharagpur, 60, M.Tech, 61; Ph.D.(water resources), Strathchyde, 67. Asst. civil engr, Ward, Ashcroft & Parkman, U.K, 61.62; res. fel. hydraul. eng. Loughborough, Univ. Tech, Eng. 62-63; lectr. water resources eng. Strathclyde, 63-67; vis. prof. water resource planning, Queen's (Ont), 67-68; SR. RES. OFFICER, DEPT. ENERGY, MINES & RESOURCES, 68-Vis. prof. Ottawa, 68-Soc. Civil. Eng; Int. Asn. Hydraulic Res; Brit. Inst. Civil Eng. Socio-economic simulation for water resources system planning and management; economics of water and environmental pollution abatement; perception

and attitude of people to water development projects and problems; history of science. Publ: Socio-economic simulation for water resource systems planning, Int. Asn. Hydraul. Res, 69; History of hydrology, North-Holland Publ, Amsterdam, 70; The automatic rain gauge of Sir Christopher Wren, Philos. Trans. Royal Soc. London, 67. Address: 1356 Meadowlands Dr. E, Apt. 1102, Ottawa 5, Ont, Can.

BIVEN, PROF. WILLIAM CARL, b. Louisville, Ky, Jan. 11, 25; m. 59; c. 2 ECONOMICS. B.A, St. Mary's Col.(Ky), 45; M.A, St. Louis, 53, Ph.D. (econ), 56. Res. assoc. ECON, Emory, 58; asst. prof. GA. INST. TECH, 58-61, assoc. prof, 61-66, PROFESSOR, 66- Econ. Asn. Implications of macroeconomic theory for public policy decisions. Publ. Economics and public policy, 66, Introduction to economics, 70 & ed. Readings in economics, 70. C.E. Merrill. Address: College of Industrial Management, Georgia Instiute of Technology, Atlanta, Ga. 30325.

BJORK, DR. RICHARD E. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Pres, 69-, Richard Stockton State College, 1 Williams Plaza, Pleasantville, N.J. 08232.

BJORK, DR. & ROBERT A(LLEN). Experimental Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

BLACK, PROF. BERTRAM J. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Prof. rehab, psychiat, Albert Einstein Col. Med, 69; dir. ment. health rehab. serv, Bronx State Hosp, 69- Address: 45-52 Auburndale Lane, Flushing, N.Y. 11358.

BLACK, DR. JOHN BUCHANAN, b. Guelph, Ont, Can, Aug. 5, 40; m. 66; c. 1. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. B.A, Western Ontario, 62, MA, 64; Mackenzie King traveling fel, London Sch. Econ, 64-65, Can. Coun. fel, 68-69, Ph.D.(int. rels), 69. Lectr. polit. sci, Western Ontario, summer 64; POLIT. STUDIES, GUELPH, 66-68, ASST. PROF. 68-Am. Polit. Sci. Asn; Can. Polit. Sci. Asn; Int. Studies Asn. International propagands; mass media and politics in Canada, United States and the United Kingdom; post-1945 international politics; computerized information retrieval applications to political studies. Address: Dept. of Political Studies, University of Guelph, Guelph, Ont, Can.

BLACK, PROF. KENNETH, JR. Insurance. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Dean sch. bus. admin, Ga. State, 69-, no longer chmn. dept. ins. Address: 2 Hanover West Court N.W, Atlanta, Ga. 30327.

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BLACK, DR. WILLIAM RICHARD, b. Brownsville, Pa, June 8, 42; m. 63; c. 2. GEOGRAPHY, B. Sc, Califormia State Col. (Pa), 64; M. A. lova, 66, Nat. Sci. Found. 61, 67-68, Ph. D. (Seep), 69. ASST. PROF. GEOG. Miami (Ohio), 68-69; INDIANA, BLOOMINGTON, 69. Asn. Am. Geog; Regional Sci. Asn.; Am. Geog. Soc. Forecasting regional transportation network structure; analyses of the properties of optimal networks; urban travel behavior; locational classification systems. Address: Dept. of Geography, Indiana University, Bloomington, Ind. 47401.

BLACKBOURN, DR. ANTHONY, b. Orpington, Eng, June 6, 38; Can. citizen; m. 69. ECONOMIC GEOGRAPHY. B.Sc, London, 59; M.A, Georgia, 61; Ph.D. (geogl, Toronto, 68. Lectr. GEOG, WINDSOR, 68-67, ASST. PROF, 67- Asn. Am. Geog; Regional Sci. Asn. Industrial geography; transportation. Publ. Locational patterns of American-owned industries in Canada, Proc. int. Geog. Union, 68; Transportation, communications and utilities in Ohio, Ohio Dept. Planning, 68. Address: Dept. of Geography, University of Windsor, Windsor, Ohi, Can.

BLACKBURN, PROF. W(ILLIAM) BRUCE. Psychology. See 11th ed, Soc. & Behav. Vols. deceased 68.

BLACKER, DR. KAY H. Psychiatry. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. grad. training, dept. psychiat, California, Davis, 69- Address: University of California, School of Mediciae, Sacramento Medica

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BLACKMAN, DR. SHELDON, b. Brooklyn, N.Y. Apr. 20, 35; m. 57; c. 2. PSYCHOLOGY. A.B, Princeton, 56; M.A, Ohio State, 58, Ph.D, 60. Res.

- psychologist, STATEN ISLAND MENT. HEALTH SOC, 63-64, asst. dir. res, 65-68, DIR. RES, 68- Consult. ed, Develop. Psychol, 69- U.S.A, 59-63, Capt. Psychol. Asn. Psychological measurement; small groups; community mental health. Publ: The application of multidimensional scaling to the measurement of cognitive patterning, J. Gen. Psychol, 66, Deviance and position in the small group, J. Soc. Psychol, 66, Some aspects of a theory of community mental health, J. Community Ment. Health, 68. Address: Staten Island Mental Health Society, 657 Castleton Ave, Staten Island, N.Y. 10301
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- BLACKWELL, PROF. JAMES E(DWARD). Sociology. See A.-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. 69-, Dept. of Sociology, Case Western Reserve University, Cleveland, Ohio 44106.
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- BLAKE, DR. BRIAN FRANCIS, b. Jersey City, N. J. Aug. 26, 42; m. 65; c. l. PSYCHOLOGY. B.A, St. Peter's Col. (N. J), 64; M.S. Purdue, 66, Ph.D. (psychol), 69. ASST. PROF. PSYCHOL, Valparaiso, 68-69; ST. JOHN'S (N. Y), 69-Psychol. Ass. Attitude change; impression formation; social psychology of the psychological experiment. Publ. Co-auth. Peterformance as a function of payment, commitment of the control of the psychological experiment. J. W. K. Res, 70; co-auth, Impression formation based on potentially invalid information, Proc. Am. Psychol. Ast, 70. Address: Dept. of Psychology, St. John's University, Jamaica, N.Y. 11432.
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- BLAKELEY, PROF. THOMAS JOHN. Contemporary Philosophy, Soviet Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- BLAKELY, DR. WAYNE ALLEN. Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- BLAKEMORE, GEORGE J(EFFERSON), JR. Statistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Sr. math. statistician, instrumentation lab, Mass. Inst. Tech, 68- Address: 872 Massachusetts Ave, Apt. 707, Cambridge, Mass. 02139.
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- BLANEY, DR. ROBERT W. Religion, Political Science. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- BLANK, DR. DAVID EUGENE, b. Brooklyn, N.Y, Oct. 28, 36; m. 68. POLITI-CAL SCIENCE. B.A, Brooklyn Col, 59; M.A, Yale, 61; Ph.D. (polit. sci), Columbia, 69. Urban renewal consult, Urban Renewal & Housing Admin, P.R., 61-63; ASST. PROF. POLIT. SCI, Wis. State, 67-69; LOUISVILLE, 69-Polit. Sci. Asn; Latin Ame. Studies Asn. Latin America; urban government and planning. Publ: Co-auth, Comprehensive urban renewal program for the San Juan metropolitan area, Urban Renewal & Housing Admin, P.R., 63; auth, Venezuela: election fact book, December 1, 1968, Opers. & Policy Res, D.C., 68; co-auth, Venezuela: prospects for the future, Hopkins Tuhy, 70. Address: Dept. of Political Science, University of Louisville, Louisville, Ky. 40206.
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- BLANKENHEIMER, BERNARD. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Commercial attache, For. Serv, U.S. Dept. State, 68- Address: Johannesburg, Dept. of State, Washington, D.C. 20521.
- BLANKENSHIP, DR. LLOYD VAUGHN. Political Science, Sociology. See A.-K. Vol., 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-Dept. of Political Science, State University of New York at Buffalo, 4238 Ridge Lea Rd, Amherst, N.Y. 14226.

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- BLASS, DR. ELLIOTT MARTIN, b. Brooklyn, N. Y, Sept. 10, 40; m. 68; c. 1. PHYSIOLOGICAL PSYCHOLOGY. B.S, Brooklyn Col, 63; M.S, Connecticut, 64; U.S. Pub. Health Serv. [el, Virginia, 66-67, Ph.D, [bsychol), 67; U.S. Pub. Health Serv. [el, Inst. Neurol. Sci., Pennsylvania, 67-69, ASST. PROF. PSYCHOL, HOPKINS, 69. Neurological physiological and motivational bases of thirst, hunger, and temperature regulation. Publ. Separation of cellular from extracellular controls of drinking in rats by frontal brain damage, Science, 162: 1501; co-auth, Primary hyperdipsia in the rat following septial lesions, 70: 87 & co-auth, Additivity of effect and interaction of a cellular and extracellular stimulus of drinking, 70: 200, J. Comp. Physiol. & Psychol. Address: Dept. of Psychology, Johns Hopkins University, Baltimore, Md. 21218.
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- BLEICHER, PROF. SAMUEL A(BRAM). Law, International Affairs. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- BLICKSILVER, PROF. JACK. Economic & Business History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
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- BLOCH, PROF. JULIUS M(ARCUS). American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- BLOCK, DR. CARL ERIC, b. Cleveland, Ohio, Mar. 8, 36; m. 56; c. 2.
 MARKETING. B.B.A, Western Reserve, 58, M.B.A, 61; Ph.D. bus. admin),
 lowa, 69, Instr. mkt, Northern Michigan, 61-63; Western Reserve, 63-65;
 ASST. PROF. MKT. & FACULTY RES. ASST, MISSOURI-COLUMBIA, 67Mkt. Asn. Consumer behavior and protection; marketing communication;
 ghetto marketing. Publ: Industrial relations research, needs and suggestions, Personnel, J. 4/68; co-auth, Some findings regarding recall of brand
 marks, South. J. Bus, fall 69; auth, Communicating with the urban poor: an
 exploratory inquiry, Journalism Quart, spring 70. Address: 808 Edgewood
 Ave, Columbia, Mo. 65201.
- BLOCK, DR. CLIFFORD HAROLD, b. Buffalo, N.Y, Feb. 24, 34; m. 61; c. 2. PSYCHOLOGY, EDUCATION. B.A. Rochester, 55; Soc. Sci. Res. Coun. fel, 74le, 55-56, Ph.D. (psychol), 63. Res. psychologist, Nat. Inst. Ment. Health, 61-63; Congressional fel. polit. sci, Am. Polit. Sci. Asn, 63-64; spec. asst. legist. & polit. res, U.S. Senate, 64-65; develop. res. & anal, U.S. AGENCY INT. DEVELOP, 65-66, res. officer ED. TECH. & RES, 68-69, COORDINATOR, 69-Consult, VISTA, U.S. Off. Econ. Deportunity, 65; President's Task Force on Commun. Policy, 67-68; American Univ. & UNESCO,

69. AAAS; Psychol. Asn; Polit. Sci. Asn; Ed. Res. Asn. Educational technology; social change and national development; educational planning; educational and policy research relation to developing countries; evaluation; cognitive processes; attitude research; psychology and sociology of politics. Publ: Co-auth, Does group participation with using brainstorming facilitate or public policy of the processes of the

BLOCK, DR. JAMES D(AVID). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. clin. studies, Maimonides Med. Center, 69- Address: 510 E. Séth St, New York, N.Y. 10028.

BLOCK, DR. RICHARD L, b. Cincinnati, Ohio, July 4, 44; m; c. 1. SOCIOL-OCY: B-A, Ohio State, 65; M.A, Chicago, 67, Ph.D.(sociol), 69. ASST-PROF. SOCIOL, LOYOLA (ILL), 69- Consult, Chicago City Col, 69. Sociol. Ass; Soc. Study Social Probs. Criminology; sociology of law; computer utilization for sociological instruction. Publ: Support for civil liberties and support for the police, Am. Behav. Scientist, 6/70. Address: Dept. of Sociology, Lyoyola University, 320 N. Michigan, Chicago, Ill. 6901.

BLOCKER, DR. CLYDE E(DWARD). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 4700 Hunt Circle, Harrisburg, Pa. 17110.

BLOME, DR. DONALD ARTHUR, b. Iowa City, Iowa, Dec. 28, 32; m. 54; c. 3. GEOGRAPHY. B. A, Iowa, 58, M.A, 62, Ph.D.(geog), 63. Asst. prof. geog. & commun. develop, Mich. State, 62-67; vis. asst. prof. GEOC, Indiana, 67-68; ASSOC. PROF, KENTUCKY, 68- U.S.A, 54-56. Asn. Am. Geog; Regional Sci. Asn. Mathematical modeling of spatial phenomena particularly the urban-economic phenomena within Appalachia. Publ: Map transformation of the time-distance relationships in the Lansing tri-county area, Ekistics, 64. Address: Dept. of Geography, University of Kentucky, Lexington, Ky, 46506.

BLOOD, DR. DWIGHT M(ELVIN). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Head, 70-, Dept. of Economics, Utah State University, Logan, Utah 84321.

BLOOD, DR. MILTON R(AY), b. Meadville, Pa, Aug. 3, 38; m. 62. PSY-CHOLOGY. B.S, Indiana State, 60; Michigan, 61; Ball State, 62; B.A, Centre Col, 64; M.A, Illinois, 66; Ph.D. (indust, psychol), 68. ASST. PROF. PSY-CHOL, CALIFORNIA, BERKELEY, 68-Psychol. Asn. Motivations of industrial workers and of professionals; techniques of performance appraisal. Address: Dept. of Psychology, University of California, Berkeley, Calif. 94720.

BLOOD, PROF. ROBERT O(SCAR), JR. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Faculty, 69-, Pendle Hill School, 338 Plush Mill Rd, Wallingford, Pa. 19086.

BLOODSTEIN, PROF. OLIVER, b. New York, N.Y, Dec. 2, 20; m. 41; c. 2. SPEECH PATHOLOGY. B.A, City Col. New York, 41; M.A, Iowa, 42, Ph.D. (speech path), 48. PROF. SPEECH, BROOKLYN COL, 48- U.S.A, 43-45, T/Sgt. Speech & Hearing Asn. Stuttering. Publ: A handbook on stuttering, Nat. Soc. Crippled Children & Adults, 69; Hypothetical conditions under which stuttering is reduced or absent, J. Speech & Hearing Disorders, 6/50; Stuttering as an anticipatory struggle reaction, In: Stuttering: a symposium, Harper, 58. Address: Dept. of Speech, Brooklyn College, Bedford Ave. & Ave. H, Brooklyn, N.Y. 11210.

BLOOM, DR. J(OE) M(ORRIS). Comparative Psychology. See Suppl. V to 11th ed, Phys. & Biol. Vols.

BLOOM, DR. MARTIN. Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. grad. sch. soc. serv. & dir. center, soc. work/soc. sci. interchange, Indiana Univ-Purdue Univ, 69- Address: 608 E. 46th St, Indianapolis, Ind. 46205.

BLOOM, RICHARD FREDRIC. Physics, Engineering. See Suppl. V to 11th ed, Phys. & Biol. Vols.

BLOOM, DR. VICTOR, b. New York, N.Y. Aug. 17, 31; m. 54; c. 2. PSY-CHLATRY. B.S. Michigan, 53, M.D. 57. Intern, Sinai Hosp. Detroit, Mich. 57-58; res. psychiat, Ladyette Clin, Detroit, Mich. 58-61; instr. PSYCHIAT, SCH. MED, WAYNE STATE, 61-63, ASST. PROF, 63. Consult, dept. psychiat, med. sch, Michigan, 68-69. Asn. Adv. Psychother; fel. Psychiat. Asn., fel. Group Psychother, Asn. Am. Med. Asn. Psychotherapy, research and technique; group psychotherapy research and technique; group psychotherapy research and technique is prevention of suicide; problems of observers in psychotherapeutic process. Publ: Analysis of suicide in a training center, Am. J. Psychiat, 2/67; co-auth, Effect of observers on the process of group therapy, Int. J. Group Psychother, 1/69; auth, Prevention of suicide, in: Current psychiatric therapies, Grune, 70. Address: 18469 Pennington, Detroit, Mich. 48221.

BLOOM, DR. WALLACE. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Chief psychologist, Child Guid. Clin, Wilford Hall Med. Center, U.S. Air Force Hosp, 68- Address: 133 Twinleat Lane, San Antonio, Tex. 7821.

BLOUNT, DR. WILLIAM R, b. Shelbyville, Ind, Mar. 1, 41; m. 63; c. 1. PSY-CHOLOGY. A.B, Valparaiso, 63; M.A, Northern Illinois, 65; Nat. Inst. Child Health & Human Develop. fel, George Peabody, 65-68, Ph.D. (spsychol), 69. Asst. psychol, Northern Illinois, 63-65; instr, Valparaiso, summer 65; RES. ASST. PROF. PSYCHOL. & SPEC. ED, SOUTH FLORIDA, 68-Eval. consult, cmn. community rels. youth bd. prog, City of Tampa, Fla, 69- Psychol. Asn; Asn. Ment. Deficiency; Soc. Res. Child Develop. Concept usage and

concept formation; verbal learning; language; mental retardation. Publ:
Naive male retardates and U.S. moneys: an exploratory study, Am. J. Ment.
Deficiency, Vol. 72: 487-491; Concept usage research with the mentally
retarded, Psychol. Bull, 68; STM in retardates as a function of direction and
delay of recall, Psychonomic Sci, Vol. 14: 69-70. Address: NSTITUTE II:
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BLOXOM, DR. BRUCE, b. Yakima, Wash, Aug. 19, 38; m. 68. PSYCHOLOGY. B.A, Yale, 61; M.S. Washington (Seattle), 62, Ph.D. (psychol), 66. U.S. Pub. Health Serv. fel, 66-68; ASST. PROF. PSYCHOL, VANDERBILT, 68- AAAS; Psychol. Asn. Measurement; personality; clinical psychology. Publ: Factorial rotation to simple structure and maximum similarity, 6/68 & A note on invariance in three mode factor analysis, 9/68, Psychometrike; Effects of anger-arousing instructions on personality questionnaire performance, Ed. & Psychol. Measurement, autumn 68. Address: Dept. of Psychology, Vanderbilt University, Nashville, Tenn. 37203.

BLUBAUGH, DR. JON A(LFRED). Communication, Education. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

BLUESTEIN, DR. VENUS W. Psychology, Education. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 70-, Dept. of Psychology, University of Cincinnait, Cincinnait, Ohio 45221.

BLUM, PROF. GERALD S. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn, 68-, Dept. of Psychology, University of California, Santa Barbara, Calif. 93106.

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BLUMBERG, DR. HERBERT HASKELL, b. Philadelphia, Pa. Dec. 8, 41.

SOCIAL PSYCHOLOGY. A.B., Haverford Col., 63; M.A., Hopkins, 65, Nat.
Sci. Found. fel., 66-67, Ph.D. (psychol), 67. Instr. psychol, Wilson Col., 67.
68, asst. prof., 68-69, ASSOC, CENTER NONVIOLENT CONFILICT RESOLUTION, HAVERFORD COL., 69- Res. psychologist, inst. psychiat Univ. Londecember of the control of the

BLUME, DR. FRANK REINHART, b. Stuttgart, Germany, Feb. 12, 32; U.S. citlzen; m. 57; c. 4. B.A, Oberlin Col, 53; M.A, Boston, 57; Ph.D.(soc. psychol), Claremont Grad. Sch, 66. Res. asst. exp. psychol, Mass. Inst. Tech, 56-57; instr. psychol, SAN BERNARDINO VALLEY STATE COL, 57-60, asst. prof, 60-64, chmn. dept. psychol, 64-66, CHMN. DIV. SOC. S7-60, asst. prof, 60-64, chmn. dept. psychol, 64-66, CHMN. DIV. SOC. S0. Mem. Staff, Center for Study of the Person, La Jolla, 70. Ment. health consult, Mass. Dept. Ment. Hyg. 66; consult, Brooks-Cole Pub. Co, 66-68; San Bernardino County Housing Auth, 67. U.S.A, 53-55. Psychol. Asn; Soc. Psychol. Study Social Issues. Attitude change, particularly in reference to minorities; personality changes through encounter group experiences. Publ: Study guide: psychology of human behavior; Brooks-Cole, 66. Address: 109 E. Fern Ave, Redlands, Calif. 92373.

BLUME, DR. PAUL ROUNTREE, b. Springfield, Mo, May 15, 41; m. 63; c. 2. ECONOMICS. A.B. Drury Col, 63; M.S. Okla. State, 67, Ph.D. (econ), 68. ASST. PROF. ECON, HANOVER COL, 68 - Economic status and retraining of American Indians. Address: Dept. of Economics, Hanover College, Hanover, Ind. 47243.

BLUMENSTIEL, DR. ALEXANDER DAVID, b. New York, N.Y. Aug. 17, 40; m. 67; c. 1. SOCIOLOGY. B.A, Mich. State, 63; fel. & M.A, Washington (St. Louis), 65, Ph.D. (sociol), 68. Instr. SOCIOL, Missouri-St. Louis, 66-67; lectr., Queens Col. (N.Y.), 67-68, ASST. PROF, 68-69; BOSTON, 69-, grad. sch. grant, 69-70. Sociology of knowledge and leisure; sociolinguistics; symbolic interaction; social theory; social psychology; ethnomethodology. Publ: Constructing personal tnowledge: the problem of intimacy and interpersonal trust, In: Existential sociology, Appleton, 70 & An ethos of intimacy, In: Deviance and respectability: the social construction of moral meanings, Basic Books, 70. Address: Dept. of Sociology, Boston University, Boston, Mass. 02215.

BLUMENTHAL, DR. IRVING JACK. Electroencephalography, Psychiatry. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

BLUMROSEN, PROF. ALFRED W. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

BLUMSTEIN, DR. PHILIP WHITNEY, b. New York, N.Y. Oct. 2, 44. SOCI-OLOGY. B.A., Reed Col., 66; M.A., Vanderbilt, 67, Nat. Defense Ed. Act fel, 67-69, Nat. Sct. Found, grant, 69, Ph.D. (sociol), 70. ASST. PROF. SOCIOL, WASHINGTON (SEATTLE), 69- Sociol. Assi, Soc. Study Social Probs. Experimental social psychology; small groups; interpersonal control; social exchange; symbolic interaction; personality. Publ. Co-auth, interpersonal strategies under conditions of gain or loss, J. Personality, 68 & Redress of distributive injustice, Am. J. Sociol, 69. Address: Dept. of Sociology, University of Washington, Seattle, Wash. 98105.

BLYN, DR. MARTIN ROBERT, b. New York, N.Y. Mar. 5, 40; m. 63; c. 2. ECONOMIC HISTORY, MONETARY ECONOMICS. B. B.A, City Col. New York, 61; M. B.A, N.Y. Univ, 62; Ph.D. Jecon. hist; monetary & int. econ), 66. Economist, Fed. Reserve Bank Cleveland, 64-66; asst. prof. banking & finance, N.Y. Univ, 66-69; ASSOC. PROF. ECON, CALIF. STATE CLANKING LINES OF ASSOC. PROF. ECON, CALIF. STATE CLANKING LISTORY ASSOC. PROF. ECON, CALIF. STATE CLANKING LISTORY CONTROL OF ASSOC. PROF. ECON. CALIF. STATE CLANKING LISTORY ASSOC. PROF. ECON. CALIF. ECON. ECON. ECON. CALIF. ECON. ECON. EC

Co-auth, History of American financial institutions, Random, (in press) & Velocity and its determinants, Fed. Reserve Bank N.Y., 70. Address: Dept. of Economics, California State College at Dominguez Hills, 1000 E. Victoria St, Dominguez Hills, Calif. 90247.

BLYTH, DR. JOHN W(ILLIAM). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

VOI. 17, Philos, Reng. & Law.

BOAL, PROF. ROBERT STUART, b. West Elizabeth, Pa, Mar. 24, 12; m. 42; c. 5. AGRICULTURAL ECONOMICS. B.S. Pa. State, 34; M.S. West Virginia, 50. Acct, Ped. Land Bank, Baltimore, Md, 34-35, Home Owners Loan Corp. 35-36; statist. & acct, Aluminum Co. Am, Pittsburgh, 36-39, asst. off. mgr, Boston, 39-43; from asst. ext. economist to ext. economist, West Virginia, 43-56; asst. sales mgr. & asst. gen. mgr, Am. Nat. Foods & Am. Nat. Growers Corp, 56-58; ASSOC. PROP. ECON. & EXT. ECONOMIST, NORTH CAR-OLINA, RALEIGH, 36- Consult. ed., Cooperative Jugest, 67:-çet, News-letter, Nat. Soc. Acct. for Cooperatives, 70. Marketing agricultural products, cooperative organization and development; farm management; accounting; urban renewal; pollution control; public policy; taxation. Publ: Allocation of net worth of Haywood Milk Producers, 65, Urban-rural callenges to cooperative, 68 & Legal status, classification and listing of North Carolina Cooperative, 70, N.C. State Univ. Address: Box 576 State College Station, North Carolina State University, Raleigh, N.C. 27607.

BOBBITT, DR. JOSEPH M(ATTHEW). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. dir. behav. sci, 69-, Office of Planning & Evaluation, National Institute of Child Health & Human Development, Bethesda, Md. 20014.

BOBBITT, DR. RUTH A, b. Omaha, Nebr, June 15, 15; m. 35; c. 2. PSY-CHOLOGY. B. A. Denver, 37; M. A. Mills Col, 39; Ph. D. (psychol), lowa, 47. Indust. psychologist & asst. personnel mgr, Marshall Field Co. Chicago, Ill, 39-43; res. & clin. asst. psychol, Univ. Iowa, 43-46; consult. clin. psychol, osc. & private agencies, Pittsburgh, Pa, 46-48; instr. child psychol, WASH-NGTON (SEATTLE), summers 49 & 51, CORE STAFF MEM, REGIONAL PRIMATE RES. CENT, 61-, RES. DESIGN CONSULT, 68- Lectr, Washington (Seattle), 61-62, asst. res. prof, 62-67, assoc. res. prof, 67- Psychol. ASn. Methods for behavioral measurement, using quantitative and reliable observational techniques, which permit computer determination of patterns and sequences of social interaction. Publ. Co-auth, Development and applications of an observational method: a pilot study of the mother-infant reliationship in pigtail monkeys, J. Genetic Psychol, 105: 257-274, The dynamics of social interactive behavior: a computerized procedure for analyzing trends, patterns, and sequences, Psychol. Bull, 71: 10-121 & communication, 9:69. Address: Dept. of Psychiatry, University of Washington, Seattle, Wash, 98105.

BOBILIN, DR. ROBERT T. Religion, Sociology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

BOBROW, DR. DANIEL G. Cybernetics, Mathematics. See A-K Vol, 11th ed, soc. & Behav. Vols. New position: Dir. comput. set. div, 69-, Bolt, Beranek & Newman, Inc, 50 Moulton St, Cambridge, Mass. 02138.

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BOCK, DR. PHILIP KARL, b. New York, N.Y. Aug. 26, 34; m. 57; c. 3. CULTURAL ANTHROPOLOGY. A. B. Fresno State Col. 55; Woodrow Wilson fel. & M.A. Cheago, 56; univ. fel. & P. D. Losoc. anthrop), Harvard, 63. Summers, res. asst, trl-ethnic proj. Nat. Sci. Found, Colorado, 59, Nat. Inst. Ment. Health, sch. pub. health, Harvard, 60; asst, dir. pub. rels. Pall Corp, N.Y., 60-61; res. assoc, Algonkin Proj. Nat. Mus. Can, 61; from asst. prof. to ASSOC. PROF. ANTHROP, NEW MEXICO, 62-Vis. prof. Hoeroamerican Univ, Mex. 70. Summers, guest lectr, Inst. Ling, Okla, 63, visitor, soc. sci. res. coun. seminar, ling. inst. Ling, Soc. Am, Univ. Indiana, 64, vis. prof. Columbia, 67. Consult, U.S. Pub. Health Serv. Proj. col. nursing, New Mexico, 65-66. Assoc, Danforth Found, Mo, 66-69. U.S.A.F., 57-56, 1st Lt. Fel. Anthrop. Asn; Soc. Appl. Anthrop. Relationship between language and other parts of culture, especially in problems of comparability of descriptive reports and the possibility of devising a minimum vocabulary of concepts and relations for ethnography. Publ: The Micmae Indians of Restigouche, Nat. Mus. Can, 65; Modern cultural anthropology, 63 & ed, Culture shock, 70, Knopf. Address: Dept. of Anthropology, University of New Mexico, Albuquerque, N.Mex. 87106.

BOCK, DEAN ROBERT H, b. Chicago, Ill, Feb. 1, 32; m. 54; c. 3. ECONOMICS. B.S, Purdue, 54, M.S, 55, Ph.D. (econ), 60. Assoc. prof. prod. mgt, Northwestern, 60-65; acad. v.pres. Puget Sound, 65-69; DEAN SCH. BUS. ADMIN, MIAMI (FLA), 69- U.S.A.F, 55-57, 1st Lt. Publ: Co-auth, Long-range planning for agricultural marketing firms, Purdue Univ, 60 & Production planning and control, Merrill Co, 63; auth, Measuring cost parameters in inventory models, Mgt. Tech, 6/64. Address: School of Business Administration, University of Miami, Coral Gables, Fla. 33124.

BOCK, DR. ROBERT LEROY. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 68-, Dept. of Political Science, Western New England College, Springfield, Mass. 01119.

BODDEWYN, DR. JEAN, b. Brussels, Belgium, Feb. 3, 29; U.S. citizen; m. 55; c. 3. INTERNATIONAL BUSINESS. Commercial Engr. Louvain, 51; M.B.A, Oregon, 52; D.B.A, Washington (Seattle), 64. MRt. researcher & systs. analyst, Galeries Anspach, Belgium, 52-55; time study analyst, Jantzen, Inc, Ore, 55-57; asst, prof. bus. admin, Portland, 57-64; ASSOC PROF, INT. BUS, GRAD, SCH. BUS. ADMIN, N.Y. UNIV, 64-Bus. consult, 64-Ed, Int. Studies Mgt. & Orgn, 69-Co-dir, third session, Int. Exec. Training Center, France, 68. Acad. Mgt; Asn. Ed. Int. Bus; Soc. Pub. Admin. International business, especially management, environmental and

comparative analysis and business-government relations; public policy towards retailing. Publ: Co-auth, Interdisciplinary studies in business behavior, South-West. Publ, 62 & International business education, N.Y. Univ, 86; auth, Comparative management and marketing, Scott, 69. Address; Dept. of International Business, Graduate School of Business Administration, New York University, 100 Trinity Place, New York, N.Y. 10006.

BOE, DR. ERLING E(DWARD). Psychology, Education. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. dean, 69-, Graduate School of Education, University of Pennsylvania, 3700 Walnut St, Philadelphia, Pa. 19104

BOECK, DR. ALVORD L(ESLIE). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, Kwikset Div, Emhart Corp, 69; consult. economist, 69-, lectr. mkt, Calif. State Col, Fullerton, 69- Address: 3101 Seaview Ave, Corona Del Mar, Calif. 92625.

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BOERSMA, DR. F(REDERIC) J. b. Grand Rapids, Mich, Sept. 23, 38; m. 61; c. 2. EDUCATIONAL PSYCHOLOGY. B. S. Western Michigan, 60, M. A. 61; Ph.D. (ed. psychol), Mich. State, 64. Res. assoc. ED. PSYCHOL, Mich. State, 64. Res. assoc. ED. PSYCHOL, Mich. State, 64. 65; asst. prof. ALBERTA, 65.-67, ASSOC. PROF. 67. Nat. Res. Coun. Can. grant, 68.-70; Donner Can. Found, grant, 68.-70. Ed. Res. Ass. Psychol. Ass. Soc. Res. Child Develop. Attention, arousal and the orientation reaction as these processes relate to cognitive and perceptual development. Publ: Eye movements during embedded figure tasks, Perceptual & Motor Skills, 69; co.-auth. Eye movements and the conservation of length, Archives Psychologic Geneve, 70 & Effects of arithmetic problem difficulty on pupil-lary dilation in normal and educable retardates, J. Exp. Child Psychol, 70. Address: Dept. of Educational Psychology, University of Alberta, Edmonton, Alta, Can.

BOGART, DR. KENNETH PAUL. Mathematics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

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BOITER, DR. ALBERT L, b. Chester, S.C., Dec. 9, 20; m. 57; c. 2. POLITICAL SCIENCE. B. A. Furman, 42; M. A. Louisville, 46; Fulbright fel, Vienna, 50; cert, Russian Inst, Columbia, 52; Ph. D. (pub. law), 65; Ed. writer for. affairs, Courier-Jour, Louisville, 45-47; asst. prof. Soviet area studies, Louisville, 48-33; DR. RES. DEPT, RADIO LIBERTY, MVINCH, 55- Vis. assoc. prof. California, Santa Barbara, 67. Polit. Sci. Asr., Int. Law Asn, Soc. Int. Law, Asn. Adv. Slavic Studies. Comparative political and legal systems, especially Soviet and communist-type institutional structures; leadership and foreign policy formulation. Publ: Co-auth, The USSR and the future, Praeger, N.Y. & London, 63; auth, The Soviet legal system, In: 1917-1967; Promise and realization, Studies Soviet Union, Vol. VII, No. 2; Kameradschaftsgericht, In: Vol. III, Sovjetsystem und Demokratische Gesellschaft, Herder, Freiburg, 69. Address: Griechenplatz 12, Munich 90, Germany.

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BOLDT, DR. EDWARD D(IETRICH), b. Lethbridge, Alta, Sept. 18, 38; m. 62. SOCIOLOGY. B.Sc, Calgary, 62, B.A, 64; M.A. & Henry Marshall Tory Mem. scholar, Alberta, 66, Can. Coun. fel, 67-68, Ph.D. (sociol), 68. AST. PROF. SOCIOL, MANTOBA, 68- Am. Sociol. Asn, Can. Sociol. & Anthrop. Asn. Social structure and personality; conformity and deviance. Address: Dept. of Sociology, University of Manitoba, Winnipeg, Man, Can.

BOLEY, ROBERT EUGENE. Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Exec. dir, 69-, Urban Land Institute, 1200 18th St. N.W. Washington, D.C. 2003.

BOLING, DR. THOMAS EDWIN, b. Pelahatchie, Miss, Sept. 13, 30; m. 49; c. 1. SOCIOLOGY. B.A, Miss. Col, 55; B.D, South. Baptist Theol. Sem, 58; M.A, Ohio State, 63, Ph.D. (sociol), 68. Minister, Reynoldsburg Baptist Church, 58-65; asst. SOCIOL, Ohio State, 65-67, leStr. PROF, WITTENBERG, 67- U.S.A, 47-48. Sociol. Asn. Sociology of religion. Publ: Southern Baptists in the North, Rev. Relig. Res, winter 67; Southern Baptists in the north: movement from sect to church?, Sociol. Focus, fall 68. Address: Dept. of Sociology, Wittenberg University, Springfield, Ohio 45501.

BOLLAND, DR. THOMAS WILLIAM. Applied Statistics, Operations Research. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Whittemore School of Business & Economics, University of New Hampshire, Durham, N.H. 03824.

BOLLS, DR. NATHAN J, JR. Vertebrate Zoology & Physiology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

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66. Soc. case worker, N.J. State Bd. Child Welfare, 58-59; res. asst. & instr. sociol, Rutgers, 59-62; res. assoc. soc. rels, Hopkins, 62-68; asst. prof. SOCIOL, SOUTHERN CALIFORNIA, 68-70, ASSOC. PROF, 70- Res. grants, Carnegie Corp, 62-68; U.S. Office Ed, 66-68; NASA, 69- Co-founder & mem. bd. dirs, Acad. Games Assocs, 68- Sociol. Asn. Sociology of education; development and testing of games with simulated social environments. Publ: Co-auth, Simulation games for learning, Sage Publ, 68; auth, Toward a sociology of learning, Sociol. of Ed, 66 & An innovative course in urban sociology, Am. Sociologist, 70. Address: Dept. of Sociology, University of Southern California, Los Angeles, Calif. 90007.

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- BORHEGYI, DR. STEPHAN F(RANCIS). Anthropology. See 11th ed, Soc. & Behav. Vols. deceased 69.
- BORING, DR. FRANK H(ENRY). Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chief psychologist, Boston Outpatient Clin, Vet. Admin, 68- Address: 16 Skyline Dr, Wellesley Hills, Mass. 02181.
- BORK, DR. NORMA K(OESTER), b. Sandusky, Ohio, Mar. 6. 30; m. 51; c. 2. SPEECH PATHOLOGY, AUDIOLOGY. B.S. N.J. State Teachers Col. 54; M.A. Calif. State Col. Los Angeles, 63; Ph.D. Ispeech path, audiol), Califorinia, Los Angeles, 67. Speech & hearing specialist, pub. sch. systs, 59-61; consult, cleft palate team, St. John's Hosp, Santa Monica, Calif., 63-67; ASSOC. PROF SPEECH PATH & DIR. SPEECH & HEARING CLIN, PACIFIC UNION COL, 67-Lectr, Andrews, 60-61; lectr, res. asst. & consult, dept. phys. med. & rehab, sch. med, Loma Linda, 66-Speech & Hearing Asn. Laryngectomy. Address: Dept. of Speech Pathology and Audiology, Pacific Union College, Angwin, Calif. 94508.
- BORMUTH, DR. JOHN R. b. Garrett, Ind, Sept. 4, 28; m. 50; c. 3. PSYCHO-LINGUISTICS. B.A. Manchester Col., 53; A.M. Indiana, 59, Ed.D., 62. Asst. prof. ED., California, Los Angeles, 62-67; ASSOC. PROF. Minnesota, 67-68; CHICAGO, 68- U.S. Off. Ed. grants, 63-64, 65-69 & 69-70. Participant, Conf. Learning & Ed, Stanford, 65. U.S.A, 53. Psychol. Asn; Ed. Res. Asn; Nat. Coun. Teachers of English; Nat. Coun. Measurement in Ed. Psycholinguistics, particularly analysis of processes underlying comprehension of language; achievement testing; item writing theory. Publ: Implications and use of Cloze procedure in the evaluation of instructional programs, Center Study Eval, Univ. Calid, Los Angeles, 67; On the theory of achievement test items, Univ. Chicago, 70; Readability: a new approach, Reading Res. Quart, 66. Address: Dept. of Education, Judd Hall, University of Chicago, 5835 Kimbark Ave, Chicago, 111. 60637.
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- BORNHOFEN, DR. JOHN OSCAR. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Stephen B. Monroe assoc. prof. money & banking, 69-, Dept. of Economics, Kalamazoo College, Kalamazoo, Mich. 4900-1.
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- BOROCK, DR. DONALD M(ARK). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 611 High St, Easton, Pa. 18042.
- BORTS, PROF. GEORGE H. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Managing ed, Am. Econ. Rev. Address: Dept. of Economics. Brown University, Box 1831, Providence, R.1. 02912.
- BORTZ, DR. ABE. American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- BORUCH, DR. ROBERT F(RANCIS), b. Bayonne, N.J, Oct. 16, 42; m. 69. PSYCHOLOGY. B.E, Stevens Inst. Tech, 64; Int. Bus. Mach. Corp. 1el, 10wa State, 66, Nat. Delense Ed. Act 1el, 67, Ph.D. (log-ychol), 68. RES. ASSOC. psychol. statist. & comput. programming, 10wa State, 67; ED. & STATIST, AM. COUN. ON ED, 68- Consult, U.S. Air Force Opers. Anal. Group, 65-66; Northwestern Univ, 68; Res. Corp. N.Y, 69-70. Mem, privacy & res. cmt, Am. Ed. Res. Asn, 69- Psychomet. Soc; Statist. Asn; Psychol. Asn. Statistical and methodological applications in social sciences; measurement and evaluation; computer implementation of data analysis. Publ: Educational research and the confidentiality of data, Proc. Am. Statist. Asn, 69; co-auth, A procedure for estimating the amount of method, trait and error variance attributable to a measure, fall 70 & Alternative strategies in analysis: multitrait-multimethod matrices, winter 70, Ed. & Psychol. Measurements. Address: American Council on Education, 1 Dupont Circle, Washington, D.C. 20036.
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- BOSCH, PROF. LEON A(RTHUR). Business Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmm, 69-, Dept. of Policy & Environment, Graduate School of Management, Northwestern University, Evanston, III. 60201.
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- BOTSAS, DR. ELEUTHERIOS NICHOLAS, b. Achladine, Greece, Apr. 21, 31; m. 65; c. 1. ECONOMICS. B.S, Detroit, 60; M.A, Wayne State, 62, Mendelson fel, summers 63 & 64, Ph.D.(econ), 66. Instr. econ, Lafayette Colo, 64-65, ASST. PROP, 65-66; ECON. MGT, OAKLAND, 66- Summers, seminar instr, Wayne State, 65, asst. prof, 66, assoc. prof, 70. Econ. Asn. Economic aspects of international labor mobility; human capital; international trade, especially between East and West; comparative economic systems. Publ: A note on migration and the balance of payments, Econ. Int, 5/69; Migration and capital formation; the case of Greece, Balkan Studies, 7/69; Some economic aspects of short-run Greek labor emigration to Germany, Weltswirtschaftliches Arch, (in press). Address: 2539 Yorkshire Lane, Bloomfield Hills, Mich. 48013.
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- BOULLIN, DR. DAVID JOHN. Pharmacology, Physiology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
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- BOUTHILET, DR. GEORGE. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chief off. prog. anal. & develop, div. ment. retardation, U.S. Dept. Health, Ed. & Welfare, 68- Address: Arlington Towers, M-210, 1111 Arlington Blvd, Arlington, Va. 22209.
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- quicentennial Forum Transportation Eng, 8/28-30/67 & Estimation of demand for food and other products assuming ordinally separable utility, Am. J. Agr. Econ, 5/68. Address: 2206 N.W. 19th Lane, Gainesville, Fla. 32601.
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 Case Cester Reserve 63, Ph.D. (orgn. behav), 65. Asst. Case Western ReCase Cester Reserve 63, Ph.D. (orgn. behav), 65. Asst. Case Western ReCase Cester Reserve 63, Ph.D. (orgn. behav), 65. Asst. Case Western ReCase Cester Reserve 64, Ph. (orgn. behav), 65. Asst. Case Western ReCase Cester Cester Cester Reserve 64, Ph. (orgn. behav), 65. Asst. Case Western ReCase Cester Cester Cester Cester Reserve 64, Poychol. Asst. Dirk.
 INST. RES. & TRAINING IN HIGHER ED. UNIV. CINCINATI 67.
 Consult, Westinghouse Elec. Corp. Ford Motor Co. & Proter & Gamble Co. 66- Psychol. Asn. Organization change and development using action research, laboratory method and small group behavior; educational
 change and innovation with normals and culturally distinct groups. Publ. A
 study of the application of laboratory training methods to programs at Air
 University, Nat. Training Labs, 66; auth, A laboratory approach to improvements of student-faculty relations and educational systems in engineering.
 NTL Training News, summer 64; The student peer group; its effect on college performance, Student Housing Res, Asn. Col. & Univ. Housing Officers.
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BRADEN, LT. COL. DONALD D, History, Political Science. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

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69. Chem. C, U.S.A, 54-56, 1st Lt. Agr. Econ. Asn; Int. Asn. Agr. Econ.
Role of agriculture in economic development, especially in underdeveloped
regions of the world. Publ: The agricultural development of Uruguay: prob-

lems of government policy, 68 & co-auth, The agricultural development of Argentina: a policy perspective, 69, Praeger; auth, Low investment levels in Uruguayan agriculture: some tentative explanations, Land Econ, 8:69. Address: Dept of Agricultural Economics, University of Kentucky, Lexington, Ky, 40506.

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The artificial palate: a German Speech training device, Volta Rev. 7/48; Volce disorders in the schools, Spec. Corg. Ed. J. S. African Logopedic Soc. 53; The use of the international system of heraldic hatchings for the transcription of Bushman paintings, S. African Archael. Bull, 12/64. Address: Speech Clinic, St. Louis, Murversity, 15 N. Grand Blvd, St. Louis, Mo. 63103.

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as an integrating process in new nation building, Maxwell Rev, spring 68; Congress and collective security: the resolutions of 1943, World Affairs, 3,70. Address: 200 Smith St, East Stroudsburg, Pa. 18301.

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BRITT, DR. JOHN F(RANCIS). Philosophy, Psychology. See Suppl. I to 5th ed. Dir. Am. Scholars.

BRITTAIN, DR. CLAY VESTER. Educational Psychology. See A-K Vol. 11th ed, 80c. & Behav. Vols. New position: Dep. dir. ed. res. & requirements, U.S. Armed Forces Inst, 68- Address: 6217 Piedmont Rd, Madison, Wis. 53711.

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BROCK, DR. WILLIAM A(LLEN), b. Philadelphia, Pa, Oct. 23, 41; m. 63. ECONOMICS, MATHEMATICS. A. B, Missouri-Columbia, 65; Ph.D. (math), California, Berkeley, 69. ASST. PROF. ECON. & MATH, ROCHESTER, 69-Economet. Soc; Math. Soc. Mathematical theory of optimal economic growth; models of economic growth. Publ: On existence of weakly maximal programs in a multisector economy, Rev. Econ. Studies, 70 & An axiomatic basis for the Ramsey-Weizsacker overtaking criterion: a note, Econometrica, 70; co-auth, Optimal growth under factor augmenting progress, J. Econ. Theory, 70. Address: Dept. of Economics, University of Rochester, Rochester, N.Y. 14627.

BROCKEN, DR. CECILIA, b. Hodgkins, III, Nov. 4, 28. CHILD PSYCHOLOGY, SPEECH PATHOLOGY. B.S. Loyola (III), 55, M.A, 65, Ph.D. (clin. psychol), 70; M.A., Northwestern, 61. Teacher, Archdiocese of Chicago Cath. sch. syst, III, 49-61; private practice speech ther. & in-serv. teacher training, 61-63; psychol. clerkship, child guid center, Loyola (III), 65; psychol. intern, PRESBY-ST. LUKE'S HOSP, 68-69, DIR. CHILD PSYCHOL, DIV. PEDIAT, 99- Principal, Our Lady of Bethlehem Residential Sch. for Girls, 56-61. Speech & Hearing Asn. Self-concept; body-image. Address: Section of Psychology, Preabyterian-St. Luke's Hospital, 1753 W. Congress Pkwy, Chicago, III. 60612.

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BROCKMANN, DR. C(HARLES) THOMAS, b. Peoria, Ill, Dec. 19, 40. AN-THROPOLOGY. B.A, Northwestern, 62; Nat. Sci. Found, grant, Oregon, 65-66; Ph.D. (anthrop), 68. Asst. anthrop, oregon, 63-65; vis. instr. anthrop. & sociol, Montana, 66-67; instr. ANTHROP, WYOMING, 67-68, ASST. PROF, 68-Fel. Anthrop. Asn. Ethnol. Soc; int. African Inst. Social and economic anthropology; modern social and economic organization of Indian reservations; social and economic organization and social stratification in Mesoamerica. Publ: The social classes of the modern flathead Indian reservation, Proc. 8th Int. Cong. Anthrop. & Ethnol. Sci, 68. Address: Dept. of Anthropology, University of Wyoming, Laramie, Wyo. 82070.

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BRODERICK, ALBERT, O.P. Law, Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

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BRODY, DR. LAWRENCE, b. Brooklyn, N.Y. Apr. 30, 15; m. 37; c. 2. GUID-ANCE, EDUCATION. B.S. Brooklyn Col, 36; M.A. Columbia, 38, Ed.D.(curriculum & teaching), 67. Serv. man, Executone inc, 36-37; teacher in training, Far Rockaway High Sch, 37-36; lab. asst, New Utrecht High Sch, 38-40; teacher, Frederick Douglass Jr. High Sch, 40-42; chmn, meterol. dept. Bombardier Sch, Big Spring, Fex, U.S. Army Air Force, 43-44, staff weather officer, dept. res. & develop, Micland, 44-46; teacher, John Harrigan Jr. High Sch, 46-56; teacher & vet. counsr. Bayside High Sch, 46-56; asst. prin, pub. schs, N.Y. 56-57, prin, 57-62; coordinator curriculum improv. prog. Mobilization for Youth Inc, 62-66; ASSOC. PROF. ED. & DIR. COL, DISCOVERY PROG, DIV. TEACHER ED, CITY UNIV. NEW YORK, 66. U.S.A.A.F, 42-46, 1st Lt. Ed. Res. Asn. Interactional resolution of roles in school settings; ecology of the teaching-learning relationship. Publ: Co-auth, How to organize a science congress, Am. Inst, 38; auth, Discovering and developing the college potential of disadvantaged youth, City Univ. New York, 68, 69, 70; Who is the disadvantaged child, in: Pathways in child guidance, New York City Bd. Ed, 67. Address: 121 Harvard Ave, Rockville Centre, N.Y. 11570.

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- BROOKS, DR. ROBERT D, Communication. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- BROOKS, DR. ROBERT S(COTT). Speech. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
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- BROOKS, PROF. WILLIAM D(EAN). Speech Communication & Education. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- BROOMFIELD, DR. JOHN HINDLE. Modern South Asian History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- BROSGOLE, DR. LEONARD, b. New York, N. Y. Mar. 4, 37; m. 58; c. 1. EXPERIMENTAL PSYCHOLOGY. B.B.A, City Col. New York, 58, fel, 58-60; M.A, New Sch. Soc. Res, 60; Ph.D, (bysychol), Yeshiva, 66. Res. asst. psychol, N. Y. State Crm. Against Discrimination, 59-62; sensory psychol, Albert Einstein Col. Med. 62; comp. psychol, State Univ. N. Y. Owomstate Med. Center, 62-64; dir, Visual Perception Lab, Naval Training Device Center, 65-67; ASSOC. PROF. PSYCHOL, ST. JOHN'S (N. Y), 67. Psychol. Asn. Visual perception; perception of motion and egocentric space localization. Publ: Induced autokinesis, 2: 69-73 & co-auth, The role of phenomenal displacement on the perception of the visual upright, 2: 179-188, Perception & Psychophys; auth. An analysis of induced motion, Acta Psychol, 28: 1-44. Address: Dept. of Psychology, St. John's University, Jamatica, NY, 11432.
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- BROWN, DR. BERNARD GUSTAVE, b. New York, N.Y, May 12, 31; m. 61; c. 2. ECONOMICS. B.A, City Col. New York, 53; Ph.D. (econ), Wisconsin, 59. Asst, prof. ECON. Fla. State, 59-69; HOUSTON, 60-65, ASSOC. PROF, 65- Econ. Asn. The economics of the public sector; economic development; local government; economics of education. Public Co-auth, A case study of urban expansion, U.S. Dept. Agr., 65; auth, Municipal finance and annexation, Soc. Sci. Quart, 12/67; Minorities and public education, Am. J. Econ. & Soc, 70. Address: Dept. of Economics, University of Houston, Houston, Tex. 77004.
- BROWN, DR. BERT R(OBERT). Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Organizational Behavior, Cornell University, thaca, N.Y. 14850.
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 B.S. U.S. Mil. Acad, 56; lic. int. rels, Grad. Inst. Int. Studies, Geneva, 63, Ph.D.(polit. sci, int. rels), 67. U.S. ARMY, 56-, instr. int. rels, dept. soc. sci. U.S. Mil. Acad, 63-56, asst. prof. 65-66, spec. asst. to Joint Chiefs of Staff for counter insurgency & spec. activities, Off. Joint Chiefs Staff, 64-68, and Chiefs Staff, 64-69, Silver Staff, 76-4 Army Commendation Medal, 58, 24 Air Medals, 66-70, Silver Staff, Bronze Staff, Valor & Vietnamese Cross of Gallantry, 67, Joint Serv.

- Commendation Medal, Distinguished Flying Cross & Meritorious Serv. Medal, 69, Legion of Merit & 4 Bronze Stars, 70. Inst. Strategic Studies. The national security policy process, including formulation and execution; problems and prospects facing the military profession. Publ: Chemical warfare: a study in restraints, Princeton, 66; Its all relative, Armor, 61; contrib, chap, In: Dynamics of international politics, MacMillan, 66. Address: 1116 Allison St, 40-kandria, Va. 22302.
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- BROWN, DEAN HORACE. Marketing. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: No longer, V.pres. bus. & finance, Oklahoma, 69. Address: College of Business Administration, University of Oklahoma, 307 West Brooks, Room 208, Norman, Okla. 73069.
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- BROWN, LEONARD R(ALPH), b. Dayton, Ohio, Dec. 28, 20; m. 52; c. 3. ECONOMICS, URBAN-REGIONAL PLANNING. B.A, American Univ, 59; M.A., 62; George Washington, 64-67. Engr., U.S. Navy Hydrographic Off, U.S. Dept. Navy, 42-44 & 46-51, res. analyst, Off. Naval Intel, 51-62; coord. decreation planning, Bur. Outdoor Recreation, U.S. Dept. Interior, 62-65; mem. youth conserv. cmt, 62-63; supvry. economist, Civil Works Directorate, Off. Chief Engrs, U.S. Dept. Arrny, 65-68; RES. SCI-ENTIST, OFF. WATER RESOURCES RES, U.S. DEPT. INTERIOR, 68-Mem. staff, President's Recreation Adv. Coun, 62-64; mem, interagency adv group, President's Coun. Phys. Fitness, 63-64; subcmt. hwys. President's Appalachian Regional Coun, 63-64; cnt. water resources res. Fed. Coun. Sci. & Tech, 66-68. U.S.A., 44-46. Econ. Asn. Water resource planning and evaluation; urban and regional economics; public administration. Address: 4218 Old Columbia Pike, Annandale, Va. 22003.
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- BROWN, DR. NORMAN LOOSE, b. Wichita, Kans, Dec. 21, 16; m. 39; c. 4. ECONOMICS. A.B, Kansas, 38, J.D, 40; Nat. Defense Ed. Act fel, La. State, 60-63, Ph.D. (econ), 63. Private practice law, 40-60; instr. bus, Friends, 59-60; ASSOC. PROF. ECON, VA. POLYTECH, 63. U.S.N, 44. Econ. Asn; Bus. Law Asn. Micro economic theory; macro economic theory; business law. Publ: Co-auth, The economics of the right to work controversy revisited, South Econ. J. 1/69. Address: Dept. of Economics, Virginia Polytechnic Institute, Blacksburg, Va. 24060.
- BROWN, DR. REX VANDESTEENE, b. London, Eng., Sept. 25, 33; m. 65; c. 3.
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 Econ, 57-68; D.B.A., Harvard, 68. Mem. staff mkt. res, Wallace Attwood Co,
 58-60; proj. leader, Martech Consults, Ltd, 60-62; head res, Metra Consult.
 Group, 63-64; lectr. decision theory, Harvard Bus. Sch., 64-68; ASSOC.
 PROF. BUS. ADMIN, MICHIGAN, 68. Mkt. Sci. Inst. res. grant, 68-70.
 Consult, Metra Int. Consult. Group, 64-67; Ford Motor Co, 69. -R.N, 52-54.
 Inst. Mgt. Sci; Oper. Res. Soc; fel. Royal Statist. Soc; fel. Brit. Inst. Statist.
 (C. Oswald George award, 67). Statistical decision theory; sample survey
 methodology; Bayesian inference; credence analysis; marketing research.
 Publi. Research and the credibility of estimates, Harvard Bus. Sch., 69; coauth, Marketing research and information systems, McGraw, 69; auth, Do
 managers find decision theory useful?, Harvard Bus. Rev, 70. Address:
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- BROWN, DR. RICHARD EUGENE, b. Little Falls, N.Y. June 30, 37; m. 61; c. 2. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. A.B, Hope Col. 59; M.P.A, Michigan, 62; M.P.A, Harvard, 66, D.P.A, 68. Admin. asst, Nat. Security Agency, 60-61; mgt. intern, off. gen. mgr. Tenn. Valley Authoria. 61-62; financial analyst, 62-69, asst to gen. mgr, 68-69; ASSOC. PROF. PUB. ADMIN, COL. WILLIAM & MARY, 69 Vis. asst, prof. Tennessee, Knowlile 55. Consult, U.S. Gen. Acct. Off. & Senate Cmi. Govt. Opers, 69-70; NASA.

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 family psychotherapy; psychological aspects of physical disability; community psychology. Publ: Co-auth, Kuder-Strong discrepancies and personality adjustment, J. Counseling Psychol, 11: 63-66; auth, Work decrement, kinesthetic after-effect and per-sonality, J. Personality & Soc. Psychol,
 2: 868-872; co-auth, The Peabody picture vocabulary test as a measure of
 general adult intelligence, J. Consult. & Clin. Psychol, 34: 8-11. Address:
 5323 Harry Hines Blvd, Dallas, Tex. 75235.
- BROWN, DR. ROBERT T, b. Greenwich, Conn., Jan. 3, 40; m. 64; c. 1. DE-VELOPMENTAL & EXPERIMENTAL I PSYCHOLOGY A, B., Hamilton Col. 10; S. Pub, Health Serv.; M. Yalo, 63-65; Ph.D. (psychol), 68; Wis, asst. 10; PSYCHOL, Col. William & Mary, 97-66; ASST, PROF, NORTH CARO-LINA, CHAPPL, HILL, 68-U.S. Pub, Health Serv. fel., Sussex, 65-67. U.S.M.C, 55-64. AASI, San, Study Animal Behavi, Psychonomic Soc; Psychol. Asin, N.Y. Acad. Sci. Effects of early environment on later behavior; formation of social attachments; effects of instrumental discrimination learning on extinction; comparisons between effects of extinction and effects of punishment. Publ: Co-auth, Resistance to punishment and extinction following training with shock or nonreinforcement, J. Exp. Psychol, 64; Generalized partial reinforcement effect, 65 & auth, Early experience and problem-solving ability, 68, J. Comp. Physiol. Psychol. Address: Dept. of Psychology, University of North Carolina, Chapel Hill, N.C. 27514.
- BROWN, DR. STEPHEN WILLIAM, b. West Monroe, La, Jan. 19, 36; m. 62. EDUCATIONAL PSYCHOLOGY. B.A, Northeast La. State Col, 58; M.Ed, La. State, 62; Ed.D. (sch. admin, ed. psychol), Miss. State, 69. House dir, Northwest. State Col, 66-67; asst. ed, psychol, Miss. State, 67-68; ASST. PROF. behav. sci, Dallas, 68-; ED, AUBURN, MONTGOMERY, 70- U.S.AR, 69- Psychol, Asn; Personnel & Guid. Asn. School administration; maternal employment and juvenile delinquency. Address: 5659 Calmar Dr, Apt. J, Montgomery, Ala. 36111.
- BROWN, DR. STEPHEN WOODY. Psychology, Education. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir. ed, 69-, Medical Television Network, University of California School of Medicine, 10962 Le Conte St, Los Angeles, Calif. 90024.
- BROWN, DR. THEODORE MORRIS. History of Science & Biology. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- BROWN, PROF. WILLIAM G(ALEN). Agricultural Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 720 N.W. 31st St, Corvallis, Ore. 97330.
- BROWN, DR. W(ILLIAM) O(SCAR). Sociology. See 11th ed, Soc. & Behav. Vols, deceased 69.
- BROWN, DR. WILSON B, b. Glen Ridge, N.J, Apr. 12, 38; m. 63; c. 1. ECO-NOMICS, INTERNATIONAL BUSINESS. A.B, Brown, 61; M.A, Fletcher Sch. Law, 62, M.A.L.D, 63, Ph.D, 66. ASST. PROF. econ, Colby Col, 64-69; INT. BUS, NORTHERN ILLINOIS, 69- Development of Peruvian exports since 1900; foreign exchange and Eurodollar; international finance; firm's adjustment to import competition. Address: 141 Mason Ct, Sycamore, Ill. 60178.
- BROWNE, DR. DONALD R. Mass Communications. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- BROWNE, PROF. MICHAEL. Communication & Theatre Arts. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- BROWNING, PROF. GRAINGER, b. Weldon, N.C., Nov. 5, 17; m. 47; c. 2. SOCIOLOGY. A.B., Shaw, 39; M.A., Boston, 46, Ph.D.(sociol), 62. Instr. sociol, Agr. & Tech. Col.(N.C.), 47-49; dir. older men's, Ellis Mem. Settlement, Boston, 52-53; instr. psychol, Mass. Inst. Tech, 53-54; asst. prof. sociol, J.C. Smith Univ, 54-58; community organizer, United S.End Settlements, Boston, 58-62; assce. prof. SOCIOL, Hampton Inst, 63-66; PROF. FITCHBURG STATE COL., 66- Sociol. Asn. Urban sociology; social work. Publ: Co.-auth, Negro population patterns in the Mid-South, Hampton Annual, 65. Address: 15 Cedar St, Fitchburg, Mass. 01420.
- BROWNING, DR. RUFUS CHARLES. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. to pres, Montgomery Col, 69-Address: 2213 Parker Ave, Silver Spring, Md. 20902.
- BROWNLEE, DEAN R(EBECCA) JEAN. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: The Dorchester, 226 S. 19th St, Apt. 1712, Philadelphia, Pa. 19103.
- BRUCE, HARRY JAMES. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. distribution, Jos. Schlitz Brewing Co. Inc, 69-

- New publ: Transportation and distribution handbook, Cahners, 70. Address: 1059 Crestview Dr, Barrington, Ill. 60010.
- BRUCE, DR. JAMES MARTIN, b. Shawnee, Okla, June 29, 36; m. 64. SOCI-OLOGY. A.B, Oklahoma, 61, A.M, 65; Nat. Inst. Ment. Health fel, Brown. 65-63, Nat. Sct. Found, grant, 67-68, Ph.D. (socion), 69, Claims rep. Dept. Health, Ed. & Welfare, 61-64; ASST. PROF. SOCIOL, MT. HOLYOKE COL. 68-, faculty res. grant, summer 69. U.S.A, 57-60. Sociol. Asn; pp. Asn. Am; Soc. Sci. Study Relig. Social mobility and its relationship to social participation and class boundaries. Publ: Intragenerational occupational mobility & visiting with kin and friend, Soc. Forces, 70. Address: Dept. of Sociology, Mt. Holyoke College, South Hadley, Mass. 01075.
- BRUCE, DR. MARTIN M(ARC). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New publ: A guide to human relations in business and industry. M. M. Bruce, 69. Address: 340 Oxford Rd, New Rochelle, N.Y. 10804.
- BRUCK, DR. NICHOLAS K. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Correction: Int. economist, Inter-Am. Develop. Bank, 68- New information: Prof. lectr, American Univ. Address: 13005 Foxden Dr, Potomac, Md. 20850.
- BRUCKER, DR. ERIC, b. Cheltenham, Pa, Dec. 7, 41; m. 65; c. 1. ECONOM-ICS. B.A, Delaware, 63; Ph.D.(econ), Duke, 66. Instr. ECON, Duke, 64-66; ASST. PROF, Southern Illinois, 66-70; DELAWARE, 70- Econ. Asn; Finance Asn. Empirical analyses of the structure and functioning of local banking markets, particularly competitive factors. Publ: The structure and performance of Southern Illinois banking, Bus. Perspectives, spring 69, Address: Dept. of Economics. University of Delaware, Newark, Del. 19711.
- BRUENING, DR. JOSE PH HERBERT. Sociology. Sec A.-K Vol. 11th ed, Soc. & Behav. Vols. Correction: Asst. prof, 60-69, assoc. prof, 69, Dept. of Sociology, University of Mississippi, University, Miss. 38677.
- BRUHN, DR. JOHN GLYNDON. Medical Sociology. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position: Prof. human ecol. & chmn. dept, 69-, School of Health, University of Oklahoma Medical Center, 800 N.E. 13th St, Oklahoma City, Okla. 73104.
- BRUNING, DR. ROGER H, b. Bruning, Nebr, Mar. 7, 42; m. 65; c. 1. EDUCA-TIONAL PSYCHOLOGY. B.A. Nebraska, 63, M.A. 65; Ph.D. (ed. psychol), 68. ASST. PROF. ED. PSYCHOL, NEBRASKA, LINCOLN, 68. Consult, Nebr. TV Coun. on Nursing Ed. 69- AAAS; Ed. Res. Asn; Psychol. Asn. Learning from written materials; short term retention. Publ. Effects of review and test like events within the learning of prose materials, 68 & Short term retention of specific factual information in prose contexts of varying organization and relevance, 70, J. Ed. Psychol. Address: Dept. of Educational Psychology, University of Nebraska Teachers College, Lincoln, Nebr. 68508.
- BRUNN, DR. STANLEY D(AVID). Geography. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Asst. prof. 69-, Dept. of Geography, Michigan State University, East Lansing, Mich. 48823.
- BRUNNER, DR. G(EORGE) ALLEN, b. Marion, Ohio, Sept. 2, 32; m. 52; c. 2. MARKETING, BUSINESS. B. B. A. Toledo, 57, M. B. A., 59; Fred B. & Mabel Dean Hill fel, Ohio State, 62, Ph. D. (bus), 64. Instr. MKT, Ohio State, 62-63; asst. prof, Maryland, 63-67; ASSOC. PROF. TOLEDO, 67- U.S. A. 53-55. Mkt. Asn. Minority enterprise; improvement of field data gathering techniques; transportation; personal bankruptcies. Publ: Personal bankruptcies: trends and characteristics, Bur. Bus. Res, Ohio State Univ, 65; co-auth, The effect of prior notification on the refusal rate in fixed address surveys, J. Advert. Res, 3/69 & Marketing and minority enterprise: opportunity or syndrome, Am. Mkt. Asn, 12/69. Address: College of Business Administration, University of Toledo, Ohio 43606.
- BRUNSCHWIG, DR. LILY. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Park Dr. Manor B 1201, Philadelphia, Pa. 19144.
- BRUSH, DR. EDWIN FRANKLYN, JR. Chemical Metallurgy, Materials Science. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- BRUSH, PROF. F(RANKLIN) ROBERT. Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Ed, Learning & Motivation. Address: Dept. of Medical Psychology, University of Oregon Medical School, 3181 S.W. Sam Jackson Park Rd, Portland, Ore. 97201.
- BRUYERE, DR. DONALD EUGENE. Geography. See A-K Vol, 11th ed, Soc. & Behav, Vols. New information: Also chum, 69-, Dept. of International Studies, Wisconsin State University, Oshkosh, Wis. 54901.
- BRYAN, DR. FREDERICK ALLEN, JR. Physics, Mathematics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- BRYAN, DR. GLENN L(eVAN). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. psychol. sci. div, 69-, Office of Naval Research, Code 450, Washington, D.C. 20360.
- BRYAN, PROF. RICHARD W(ALKER). Economics, Finance. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Business Administration, Athens College, Athens, Ala. 35611.
- BRYANT, A(RTHUR) LYNN. Economics, Management. See Suppl. V to 11th ed, Phys. & Biol. Vols.

- BRYANT, DR. HAROLD L, b. Somerset, Ky, Dec. 12, 34; m. 60; c. 2. ECO-NOMICS. B.S, Cincinnati, 62, M.A. 63, M.C.P, 65, Ph.D. (econ), 67. ASST. PROF. ECON, Centre Col., 65-67; XAVIER (OHIO), 67. Consult, U.S. Army Corps Engrs, 68-69. U.S. AF, 54-58. Econ. Asn. International monetary problems; regional economics, especially water pollution. Publ: Co-auth, Incidence and formation of mine drainage pollution, Appalachian Regional Com., 69 & chaps, in: Development of water resources in Appalachia, U.S. Army Corps Engrs, 70. Address: Dept. of Economics & Finance, Xavier University, Cincinnati, Ohio 45207.
- BRYANT, DR. VAUGHN M(OTLEY). Anthropology, Botany. See 12th ed, Phys. & Biol. Vols.
- BRYCE, MURRAY DAVIDSON. Economics, Public Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Pres, Can. Proj. Ltd, 68- Address: 1123 Crestline Rd, West Vancouver, B.C, Can.
- BRYNTESON, DR. WILLIAM EVERETT. History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- BRYSON, PROF. KENNETH D. Speech. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- BRYSON, PROF. MARION R(ITCHIE). Mathematical Statistics. See A.-K Vol, 11th ed. Soc. & Behav. Vols. New position & address: Tech. dir, 68-, U.S. Army Institute of Systems Analysis, Ft. Belvoir, Va. 22060.
- BUCHANAN, DR. BRUCE S. Computer Science. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- BUCHANAN, DR. DONALD A(LAN). Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. 69-, Purdue University, 1201 E. 38th 8t, Indianapolis, Ind. 46205.
- BUCHANAN, DR. GARTH NORMAN. Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Sr. res. staff & proj. dir, Urban Inst, 69-Address: 6362 Dockser Terr, Falls Church, Va. 22041.
- BUCHMAN, PROF. RANDALL L. Social Studies. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- BUCK, DR. JAMES R, b. Big Rapids, Mich, Feb. 22, 30; m. 62; c. 2. INDUSTRIAL ENGINEERING. B.S, Michigan Tech, 52, M.S, 53; Ph.D. (indust. eng.), Michigan, 64. Mat. eng.; U.S. Naval Civil Eng. Res. & Eval. Lab, Calif, 52: 53; construct. officer, U.S. Naval Civil Eng. Corps, San Diego, Calif. & Davisville, R.I., 53-56; field rep., Calumet Flexicore Corp. Ind, 57-58; instr. math. & tech. instr. Ferris State Col., 58-59; res. asst, inst. sci. & tech. Univ. Michigan, 60-62; asst. prof. eng. instr. Univ. Michigan, 60-62; asst. prof. eng. instr. Univ. Michigan, 60-62; asst. prof. eng. instr. Univ. Michigan, 60-62; anst. prof. eng. instr. Univ. Michigan, 60-62; instr. Davis Color Eng. C. U.S.N. Lt. (Ret). Sci. Sci. N. DUST. ENG. PURDUE, 65- Civil Eng. C. U.S.N. Lt. (Ret). Sr. mem. Am. Inst. Indust. Eng.; Tech. Inst. Mgt. Sci; Am. Soc. Eng. Ed; Human Factors Soc. Decision making: problem solving; search behavior; engineering economics, human factors. Address. School of Industrial Engineering, Purdue University, LaTayette, Ind. 47903.
- BUCK, DR. LUCIEN ALAN, b. Boston, Mass, Nov. 30, 30; m. 54; c. 4. PSY-CHOLOGY. B.A, Massachusetts, 57, M.S, 60, Ph.D. (psychol), 62. Clin. psychologist, Vet. Admin. Hosp, Northampton, Mass, 62-63; ASSOC. PROF. PSYCHOL, DOWLING COL, 63. Consult, Cleary Sch. Deaf, Lake Ronkon-koma, N.Y, 66-; Suffolk County Hearing & Speech Center, Bay Shore, N.Y, 67- Dipl, Am. Bd. Exam. Prinl. Psychol, 66. U.S.A, 51-54. AAS, Psychol. Asn. Perception; psychotherapy; states of consciousness; education. Publ: Co-auth, Perceptual categorization of love and anger cues in schizophrenia, J. Almorm. & Soc. Psychol, 67: 480-490 & A theory of communication in psychotherapy, Psychother: Theory, Res. & Practice, 3: 7-13, auth, Varieties of consciousness: comparison of some cognitive characteristics, Perceptual & Motor Stills, 30: 183-186. Address: Dept. of Psychology, Dowling College, Idle Hour Blvd, Oakdale, N.Y. 11769.
- BUCK, PROF. MARION A(SHBY). Economics, Government. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Chun, Dept. of Economics, California State College at Dominguez Hills, Dominguez Hills, Calif. 30247.
- BUCK, DR. VERNON ELLIS. Industrial Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 68-, Graduate School of Business Administration, University of Washington, 322 Mackenzie Hall, Seattle, Wash. 98105.
- BUCKHOUT, DR. ROBERT. Experimental & Social Psychology. See A-K Vol., 11th ed, Soc. & Behav. Vols. New position & address: Vis. asst. prof. 69-, Dept. of Psychology, University of California, Berkeley, Calif. 94720.
- BUCKINGHAM, DR. GUY EMERSON. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof, Allegheny Col, 69- Address: 393 Byllesby Ave, Meadville, Pa. 16335.
- BUCKLEY, DR. ARTHUR EDWARD, b. Fall River, Mass, Feb. 26, 18; m. 51; c. 2. ECONOMICS, TRANSPORTATION. B.S, Alabama, 39, M.S, 56, fel. 64-66, Ph.D, 66. ASST. PROF. BUS. ADMIN, THE CITIDEL, 696. Lectr. Far East prog, Univ. Maryland, 57-; ext. div. Univ. South Carolina, 67-, sch. med, 86-; fel, Case Western Reserve, 69. U.S.A, 41-46, Res, 48-63, Lt. Col. (Ret). Marketing. Address: 200 Grove St, Charleston, S.C. 29403.
- BUCKLEY, PROF. LOUIS F(RANCIS). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Prof, 99-, Dept. of Economics, Loy-ola University, 820 N. Michigan Ave, Chicago, Ill. 60511.
- BUCKLEY, DR. PAUL ANTHONY. Ethology, Avian Biology. See Suppl. V to 11th ed, Phys. & Biol. Vols.

- BUCKLEY, PROF. PAUL V(ERN). Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. prof. psychol. & dir. grad. center, Pepperdine Col, Anaheim, 89- Address: 900 Howard St, Corona, Calif. 91720.
- BUCKLEY, PROF. WALTER. Sociology, Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 70-, Dept. of Sociology, University of California, Santa Barbara, Calif. 93106.
- BUDNER, DR. STANLEY. Social Psychology. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. res. & demonstration center, 68-, School of Social Service, Fordham University, Lincoln Center, New York, N.Y. 10023.
- BUECHNER, DR. JOHN C. Political Science. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position: Assoc. dean, 69-, College of Arts & Sciences, University of Colorado, Denver Center, 1100 14th, Denver, Colo. 80025.
- BUERGENTHAL, PROF. THOMAS. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- BUERLE, DR. DAVID E, b. Jersey City, N. J. May 3, 33; m. 63; c. 2. GEOG-RAPHY, OCEANOGRAPHY. B.Mgt.E. Rensselaer Polytech, 55; M.S. Columbia, 59; Ph.D.(geog), Clark, 65. Jr. gas engr, N.Y. State Pub. Serv. Cmn, 55; mgt. analyst, Port of New York Authority, 59-60; lectr. polit. geog, Boston Univ, 61-62; consult. planner, Candeub, Fleissig & Assoc, Mass, 61-62; Charles Downe Co, 62; ASST. PROF, inst. geog, Rhode Island, 62-66; GEOG, STATE UNIV. N.Y. ALBANY, 66-Consult, N.Y. State Ed. Dept, 87-68; Dept. Energy, Mines & Resources, Fed. Govt, Can, 69- Mem, Int. Oceanog. Found. U.S.N.R, 55-59; U.S.C.G.R, 66-, Lt. AAAS, Am. Geog. Soc. Marine resources identification, development and exploitation, especially economic, social and legal aspects; urban geographic phenomena, specifically cities and their relationships with their hinterlands. Publ: Teaching the age of the city: Megalopolis, Soc. Sci. Div, Dept. Ed, N.Y. State, 70; Research priorities in the social and economic framework of marine resources, Dept. Energy, Mines & Resources, Fed. Govt. Can. Address: Dept. of Geography, State University of New York at Albany, N.Y. 12203.
- BUGENTAL, DR. DAPHNE E, b. Santa Barbara, Calif, Jan. 31, 28; m. 50; c. 2. PSYCHOLOGY. B.A, California, Los Angeles, 52, U.S. Pub. Health Serv. fel, 59, Ph.D. (health Serv. fel, 50, Ps.) (health Serv. fel, 50, Ps. fel, 50, Ps.) (health Serv. fel, 50, Ps. fel, 50, Ps.
- BUKOVSKY, A(LEXIS) P(AUL). Transportation Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Consult, Robert R. Nathan Assocs, Inc, 69- Address: 3336 Broad Branch Terr. N.W, Washington, D.C. 20008.
- BUKTENICA, DR. NORMAN AUGUST, b. Chicago, Ill, May 27, 30; m; c. 2. EDUCATIONAL PSYCHOLOGY. B.A, Wabash Col, 52; M.A, Roosevelt, 56; Ph.D. (ed. sch. psychol), Chicago, 68. Intern & psychologist, Levinson Res. Found, Chicago, 18. 53–58; clin. asst. area psychologist, Levinson Res. Found, Chicago, 18. 53–58; clin. asst. area psychologist, Ill-70. Dept. Ed. Except. Children, Mayerood, Ill, 59–66; instr., dept. psychiat, Stritch Sch. Med. Loyola (Ill), 68–67; ASSOC. PROF. PSYCHOL, GEORGE PEABODY COL, 67- Asst. assessment officer, Peace Corps training prog. for Pakistan, Univ. Chicago, 63, staff assoc, cmn. ed. psychol, 63–65; psychologist, Woodlawn Ment. Health Center, 64–67; Proj. Head Start, Maywood, Ill, 56–67; coordinator psychol. & ed. assessment team State Dept. Ed, Hawaii, 66; co-dir. consult. serv, John J. Madden Zone Center & Dept. Ment. Health, Ill, 66–67. Ed. consult, J. Sch. Psychol, 67. U.S.A, 52–54. Asn. Mental Deficiency; Ed. Res. Asn; Psychol. Asn. Early assessment of auditory and visual perceptual characteristics of children to prevent perceptual and adaptational problems in schools. Publ: Co-auth, Beery-Buktenica visual-motor integration test; Foliett, 67; auth, Visual learning, Dimensions Pub. Co, San Rafael, Calif. 68 & Test of non-verbal auditory discrimination (TENYAD), privately pub, exp. ed, 68. Address: Dept. of Psychology, Box 512, George Peabody College for Teachers, Nashville, Tenn. 37203.
- BULKLEY, DR. JONATHAN WILLIAM. Political Science, Civil Engineering. See A.-K. Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 88-, University of Michigan, 272 West Engineering, Ann Arbor, Mich. 48104.
- BULL, PROF. CHARLES M, b. Joplin, Mo, Mar. 24, 19; m. 42; c. 2. BUSI-NESS MANAGEMENT, ECONOMICS. B.S, Oklahoma, 48, M. B.A, 50; Ph.D. Glus. orgn. & mgl), Nebraska, Lincoln, 62. Prof. MKT, NEBRASKA, OMAHA, 50-67, FREDERICK W. KAYSER PROF. 67-, CHMN. DEPT, 50- U.S. A.R. Maj. Mkt. Asn. Business administration and organization; marketing of natural gas. Address: Dept. of Marketing, University of Nebraska at Omaha, Omaha, Nebr. 68101.
- BULL, ELWYN M(AURICE). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Staff economist, off. v, pres. econ, polit, & soc. sci. 69-, Research Analysis Corp, Westgate Research Park, McLean, Va. 22101.
- BULL, DR. PATRICIA A(NN). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Ed. consult, 68-, Capital District Regional Educational Center, 815 Central Ave, Albany, N.Y. 12206.

- BULLARD, DR. WILLIAM R(OTCH), JR. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. curator & chmn. dept. soc. sci, 69-, Florida State Museum, University of Florida, Gainesville, Fla. 32601.
- BULLER, DR. ORLAN H, b. Goessel, Kans, Dec. 28, 27; m. 53; c. 2. AGRI-CULTURAL ECONOMICS. B.S, Kansas State, 58, M.S, 59; Ph.D.(agr. econ), Mich. State, 65. AGR. ECONOMIST, KANSAS STATE, 63- U.S.A, 53-55. Econ. Asn; Agr. Econ. Asn. Economics; production economics; farm management. Publ: Co-auth, Measuring the effect of weather on crop production, Can. J. Agr. Econ, 2/69. Address: Dept. of Agricultural Economics, Kansas State University, Manhattan, Kans. 65692.
- BULLOCK, DR. CHARLES SPENCER, III, b. Nashville, Tenn, July 22, 42; m. 65; c. 2. POLITICAL SCIENCE. A.B. William Jewell Col, 64; Emory, 64-65; M.A. Washington (St. Louis), 67, Ph.D, 68. Vis. instr. POLIT. SCI, Southern Illinois, 68; ASST. PROF, GEORGIA, 68-, UNDERGRAD. DIR, 69-POlit. Sci. Asn. Polity analysis; legislative behavior. Publ: Co-ed, The new politics, McGraw, 70; co-auth, Committee reassignments of southern Democratic congressmen, 5/60 & auth, Apprenticeship and committee assignments in the house of representatives, 8/70, J. Polit. Address: Dept. of Political Science, University of Georgia, Attens, Ga. 30601.
- BULLOCK, PROF. H(ENRY) A(LLEN). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. hist. & sociol, 69-, Dept. of History, University of Texas, Austin, Tex. 78712.
- BULLOCKUS, DR. THEODORE. Economics, Operations Analysis. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. res, Res. Affiliates, 70- Address: 741 Tenth St, Santa Monica, Calif. 90402.
- BUNCH, HOWARD McRAVEN. Transportation Economics, Marketing. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: V.pres. mkt, 68-, Olson Labs, Inc, 22905 Michigan Ave, Dearborn, Mich. 48124.
- BUNCH, DR. RALPH E(LLIOTT), b. Portland, Ore, Apr. 11, 27; m. 65; c. 3. POLITICAL SCIENCE. B.S, Lewis & Clark Col, 51; M.A, Oregon, 61, Ph.D. (polit. sci), 68. Chum, soc. sci. div, Wenatchee Valley Col, 64-66; instr. POLIT, SCI, Portland State Col, 66-68; asst. prof. North Texas State, 68-70; ASSOC. PROF. PORTLAND STATE, 70- U.S.N.R, 45-46. Polit. Sci. Asn. Political socialization; behavioral methodology. Publ: A scheme for micromacro analysis of political attitudes, West. Polit. Quart, (in press). Address: Dept. of Political Science, Portland State University, Portland, Ore.
- BUNDERSON, DR. C(HARLES) VICTOR, b. Ogden, Utah, June 10, 37; m. 60; c. 5. EDUCATIONAL PSYCHOLOGY, COMPUTER SCIENCE. B.S. Utah, 61; Southern California, 62-63; Ph.D. (psychol), Princeton, 65. DIR. COMPUT-ASSISTED INSTR. LAB, TEXAS, AUSTIN, 65- Proposal rev. consult, Nat. Sci. Found; consult, adv. cmt, U.S. Army Safeguard Training Prog; assisted instr, Ceir, Inc; nat. adv. cmt, Nat. Center Ed. Media & Mat. for Handicapped; Airlie Found, D.C; adv. ed, J. Ed. Psychol. Mem. adv. cmt, grad. prog. comput. in ed. & eval. cmt, Ed. Admin. Training & Fel. Proj. City Univ. New York; mem. constitution drafting cmt, Asn. Develop. Instr. Systs. Psychol. Asn, Asn. Comput. Mach; Ed. Res. Asn; Asn. Develop. Instr. Systs. (chm., 70-72). Instructional design and systems development for computer-assisted instruction. Publ: Transfer of mental abilities at different stages of practice in the solution of concept problems, Ed. Testing Serv. Res. Bull, 67; co-auth, The effect of decision-rube instruction upon the relationship of cognitive abilities to performance in multiple-category concept problems, J. Ed. Psychol, 69; auth, The computer and instructional design, in: Computer-assisted instruction, testing and guidance. Harper, 70. Address: Computer-assisted instruction, testing and guidance. Harper, 70. Address: Computer-assisted instruction.
- BUNKER, DR. GARY L(AMOND). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 70-, Dept. of Psychology, Brigham Young University, Provo, Utah 84601.
- BUNIN, DR. SANFORD M(ELVIN). Psychology, Business Administration. See A.-K Vol, 1th ed, Soc. & Behav. Vols. New position: Mgr. psychol. & ed. serv, 69-, Hanford Environmental Health Foundation, Inc, Kadlec Medical-Dental Bldg, Richland, Wash. 99352.
- BUNN, DR. RONALD F. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. polit. sci. & dean 69-, Graduate School, University of Houston, Houston, Tex. 77004.
- BUNZEL, PROF. JOHN HARVEY. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New Information: Vis. scholar, Center. Adv. Study Behav. Sci, 69-70. Address: Dept. of Political Science, San Francisco State College, San Francisco, Calif. 94132.
- BURCH, DR. THOMAS K(IRBY). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address; Asst. dir. demog. div, 70-, Population Council, 245 Park Avenue, New York, N.Y. 10017.
- BURCHILL, DR. GEORGE W. Educational Psychology. See A-K Vol. 11th ed., Soc. & Behav. Vols. New position & address: Assoc. dean students, 69-, University of California at San Diego, La Jolla, Calif. 92118.
- BURD, DR. GENE ARNOLD. Communications. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 69-, School of Journalism & Communications, University of Minnesota, 111 Murphy Hall, Minneapolis, Minn. 55455.
- BURDGE, DR. RABEL J(AMES), b. Columbus, Ohio, Dec. 14, 37; m. 62; c. 3. RURAL SOCIOLOGY. B.S. Ohio State, 60, M.S. 61; Ph.D.(rural sociol), Pa.

- State, 65. ASST. PROF. SOCIOL, U.S. Air Force Acad, 66-68; KENTUCKY, 68- Lectr, Colorado, summer 66. U.S.A, 65-68, Capt. Sociol. Asn, Rural Sociol. Soc. Sociology of natural resource development, especially problems of forced migration, occupational trends, rural development; outdoor recreations; sociological demand structure and migratory laborers. Address: Dept. of Sociology, University of Kentucky, Lexington, Ky. 40506.
- BURGER, DR. HENRY G. Cultural Anthropology. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position & address: Assoc. prof. anthrop. & ed., 69-, University of Missouri, Epperson House, Kansas City, Mo. 64110.
- BURGER, DR. PHILIP C, b. Elgin, III, Sept. 22, 40; m. MARKETING. B.S. III. Inst. Tech, 62; M.S. Purdue, 63, 1el. & Ph.D (indust. admin), 68. ASST. PROF. MKT, NORTHWESTERN, 68- Lectr. Adv. Mgt. Res, Inc, N.Y. 69-Consult, Elrick & Lavidge, Inc, III, 68-; Mgt. Res. & Planning, Inc, 70- Mkt. Asn. Consumer choice behavior models; consumer response forecasting. Publ: Co-auth, Can new product buyers be identified?, J. Mkt. Res, II/67; auth, Developing forecasting for new products, 8/68 & A computerized library system for market research, 8/69, Proc. Am. Mkt. Asn. Address: Northwestern University School of Management, Evanston, III. 60201.
- BURGESS, DR. GEORGE G(RAYDON). Psychology. See A.K Vol, 11th ed, Soc. & Behav. Vols. New position: Res. psychologist, U.S. Army Resources Res. & Develop. Center, 70- Address: 10209 Windsor View Dr, Potomac, Md. 20854.
- BURGESS, DR. ROBERT LEE, b. Long Beach, Calif, June 24, 38; m. 59; c. 2. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.A. Calif. State Col. Long Beach, 62; M.A., Washington (St. Louis), 64, Ph.D. (sociol), 69. Acting asst. prof. SOCIOL, WASHINGTON (SEATTLE), 65-68, asst. prof, 68-69, ASSOC. PROF 69- U.S.N., 56-58. Sociol. Asn. Experimental analysis of basic social processes such as cooperation, exchange and imitation, deviant behavior. Publ: Co-auth, Behavioral sociology; the experimental analysis of social process, Columbia Univ, 69, Differential association-reinforcement theory of criminal behavior, Soc. Probs, 66; auth, Communication networks: an experimental re-evaluation, J. Exp. Soc. Psychol, 68. Address: Dept. of Sociology, University of Washington, Seattle, Wash. 98105.
- BURGESS, DR. ROBERT W(ILBUR). Statistics. See 11th ed, Soc. & Behav. Vols, deceased 69.
- BURKARD, SISTER AGNES MARY, S.S.N.D, b. Green Bay, Wis, Jan. 3, 09. EDUCATIONAL PSYCHOLOGY. B.A, Mt. Mary Col. 41; M.A, Marquette, 49; Ph.D.(ed., psychol), Loyola (III), 58. Teacher elem. schs, Archdiocese Milwaukee, 30-46, prin, 39-46, teacher sec. sch, 46-49; supvr. elem. & sec. schs, Diocese La Crosse, 49-55; PROF. ED. & PSYCHOL, MT. MARY COL. 59- Dean studies, Notre Dame of the Lake Col. Wis, 58-60, psychologist. 66-; psychol. counseling & teaching, U.S. & Can. 66- Psychol. Asn: Acad. Relig. & Ment. Health. Personality theory; mental health in religious life. Publ: What do pupils demand of their teachers, Cath. Ed. Rev. Discernment of teacher characteristics by TAT sequence analysis, J. Ed. Psychol. 12/62: Effectiveness of the MTAI in a parochail school setting, J. Exp. Ed. spring 65. Address: Notre Dame of the Lake, Mequon, Wis. 53092.
- BURKE, DR. JOHN FRANCIS, JR, b. Bath, Maine, Mar. 25, 37; m. 62; c. 4. ECONOMICS. B.S, Boston Col, 61; fel, Notre Dame, 61-63, M.S, 63, Ph.D. (econ.), 67. Asst. ECON, Notre Dame, 63-65; inst.; Indiana, 63-65; asst. prof., Eastern Illinois, 65-67; CLEVELAND STATE, 67-70, ASSOC. PROF. 70- Urban Inst. grant, Iceveland State, 69, univ. grant, summer 69. U.S.N. 55-57. Econ. Asn. Fiscal Ohio; economic development in Cleveland. Publ: Co-auth, Expenditures and revenues of the state of Ohio, 1950-1967, a comparative analysis, Dept. Econ. & Inst. Urban Studies, Cleveland State Univ. 7/69, A prof. 100 (1982). Dept. Econ. & Inst. Urban Studies, Cleveland State Univ. 4/70. Address: Dept. of Econ. & Urban Inst. Cleveland State Univ. 4/70. Address: Dept. of Economics, Cleveland State Univ. 7/60, Address: Dept. of Economics, Cleveland State University, Cleveland, Ohio 44115.
- BURKE, DR. WILLIAM M. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 3877 Jackson St, San Francisco, Calif. 94118.
- BURKE, PROF. WILLIAM THOMAS. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- BURKETT, DR. STEVEN R, b. Bedford, Ind, Oct. 2, 41; m. 61; c. 2. SOCI-OLOGY. B.A, Portland State, 63; Ph.D.(sociol), Oregon, 68. Instr. SOCIOL, Kentucky, 67-68, ASST. PROF, 68-69; WASHINGTON SYATE, 69-5 Sociol. Asn; Soc. Study Social Probs. Sociology of deviant behavior and adolescence. Publ: Co-auth, Drinking as rebellion: a study of adolescent drinking, Quart. J. Studies Alcohol, (in press). Address: Dept. of Sociology, Washington State University, Pullman, Wash. 99126.
- BURLEIGH, PROF. NATHANIEL G(EORGE). Business Administration. See 11th ed, Soc. & Behav. Vols, deceased 70.
- BURLINGAME, DR. MARTIN, b. St. Helens, Ore, Oct. 12, 35; m. 60; c. 2. POLITICS, EDUCATIONAL ADMINISTRATION. B.A., Willamette, 57, M.Ed, 60; Duke, 57-58; Nat. Inst. Ment. Health fel, Chicago, 66, Ph.D. (ed. admin), 69. Asst. Philos, Duke, 57-58; teacher soc. studies, Milwaukie Union High Sch, 61-66; ASST. PROF. ED. ADMIN, NEW MEXICO, 68-, grant, 69-70. U.S.A, 59-60. Ed. Res. Asn. Politics and education; organizational theory; research methods. Publ: Co-auth, 1969 Legislative session, N.Mex. Sch. Rev. 1/69. Address: Dept. of Education, University of New Mexico, Albuquerque, N.Mex. 87106.
- BURLINGAME, DR. MILDRED. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. assoc. prof, 69-, Dept. of Psychology, University of Idaho, Moscow, Idaho 83843.
- BURMA, PROF. JOHN H(ARMON). Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. 70-, Dept. of Sociology, California State Polytechnic College, Pomona, Calif. 91766.

- BURNETT, DR. ALASTAIR, b. Livingstonia, Africa, Nov. 26, 22; U.S. citizen; m. 49; c. 3. CLINICAL PSYCHOLOGY, HUMAN BEHAVIOR. B. A, British Columbia, 47; M.A, Toronto, 49; Ph.Cilin, psychol), McGill, 55. Asst. aviation med. & psychol, part time; Inst. Aviation Med, Univ. Toronto, 48-49; res. psychologist, Dept. Health, Newf, Can., 49-51; chief psychologist, Hosp. Ment. & Nervous Diseases, St. John's, 53-63; Owatomas State Sch, Mun, 63-66; ASSC. PROF. CLIN. & ABNORM. PSYCHIAT, WISCONSIN-LA CROSSE, 66-, CHIEF CLIN. PSYCHOLOGIST, LA CROSSE COUNTY GUID. CLIN. COURTHOUSE, 66- Dipl. clin. psychol, Am. Bd. Exam. Prinl. Psychol., 66. R. C.A.F, 43-46; Can. Army Res, 49-51. Psychol. Asi; Asn. Ment. Deficiency. Intelligence and human abilities; perception; behavior and existential therapy. Address: La Crosse County Guidance Clinic Courthouse, La Crosse, Wis. 54601.
- BURNETT, DR. JOHN HOWARD, JR, b. Somerville, N. J., Mar. 12, 37; m. 61; c. 2. POLITICAL SCIENCE. A. B., W. Va. Wesleyan Col, 58; M. A., Emory, 60, fel, 63-64; Ph.D., fint, polit), 66. Instr. soc. sci. Florence State Col, 61-62; Ga. Inst. Tech, 62-65, ASST. PROF. 65-66; GOVT, TEXAS TECH, 66-Polit. Sci. Assn. Foreign policy and government of the U.S.S.R., particularly the emerging nations; communist political systems. Publ: J.W. Fulbright—chairman of the senate foreign relations committee, Ark. Hist. Quart, winter 69. Address: Dept. of Government, Texas Tech University, Lubbock, Tex. 79409.
- BURNHAM, DR. KENNETH E(DWARD). Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also asst. dean, 68-, College of Liberal Arts, Temple University, Philadelphia, Pa. 19122.
- BURNHAM, DR. WALTER DEAN, b. Columbus, Ohio, June 15, 30; m. 89; c. 2. POLITICAL SCIENCE. B.A. Hopkins, 51, M.A. Harvard, 58, Ph.D. (polit, sci), 62. Asst. prof. polit. sci, Kenyon Col, 61-63; Soc. Sci. Res. Coum. sr. award Am. polit. & gott, 63-64; asst. prof. POLIT. SCI, Haver-ford Col, 64-66; assoc. prof. WASHINGTON (ST. LOUIS), 66-70, PROF. 70-Nat. Sci. Found. grant, 68-71. U.S. A. 53-66. Polit. Sci. Asn. Voting behavior; correlates of system transformation; political history. Publ: Presidential ballots, 1886-1892, Johns Hopkins, 55; co-auth, The American party systems, Oxford, 67; Critical elections and the mainsprings of American politics, Norton, 70. Address: Dept. of Political Science, Washington University, St. Louis. Mo. 63130.
- BURNS, PROF, EVELINE M(ABEL). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Prof, 68-, Graduate School of Social Work, New York University, 1 Fifth Ave, Suits 3D, New York, N.Y. 10003.
- BURNS, PROF. ZED H(OUSTON). Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. ed. psychol, 68-, University of Southern Mississippi, Box 5136, Hattlesburg, Miss. 39401.
- BURRIDGE, PROF. KENELM O. L., b. St. Julian's, Maita, Oct. 31, 22; m. 50; c. 1. ANTHROPOLOGY. B. S. Oxford, 48, dipl. soc. anthrop, 49, B.Litt, 50; scholar, Australian Nat. Univ, 51-54, Ph.D. (anthrop), 53. Res. fel. anthrop, Univ. Malaya, 54-56; prof. Baghdad, 56-58; lectr. ethnol, Pitt Rivers Mus, Oxford, 58-68; PROF. ANTHROP, BRITISH COLUMBIA, 68-Vis. lectr. Western Australia, 67-68. Founding fel, St. Cross Col, Oxford, 66- R.N. 39-46, Lt. Anthrop. Asn, Can. Sociol. & Anthrop. Soc. fel. Royal Anthrop. Inst. Gr. Brit. & Ireland; Brit. Asn. Social Anthrop. Religion; myth; millenarian movements; social change. Publ. Mambu: a Melanesian millennium, Methuen, 61; Tangu traditions, Clarendon, 69; New heaven, new earth, Blackwell, 69. Address: Dept. of Anthropology & Sociology, University of British Columbia, Vancouver 8, B.C, Can.
- BURROS, DR. RAYMOND H(ERBERT). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Res. engr, 69-, Port of New York Authority, Room 1568, 111 Eighth Ave, New York, N.Y. 10011.
- BURROUGHS, DR. ROY J(UDSON). Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Vis. prof., 69-, Graduate Division of Environmental & Urban Studies, College of Architecture, Virginia Polytechnic Institute, Blacksburg, Va. 24061.
- BURSTEIN, DR. HERMAN, b. Cleveland, Ohio, Sept. 10, 18; m; c. 2. ECO-NOMICS, STATISTICS. B.S.J., Ohio, 40; M.A., Oberlin Col, 41; fel, N.Y. Univ, 42-43; Ph.D.(econ), 45. Res. assoc. econ, Nat. Bur. Econ. Res, 43-45; economist, S.D. Leidesdorf & Co, N.Y., 45-67; ASSOC. PROF. ECON, NEW COL. HOFSTRA, 67-E Econ. Asn; Statist. Asn, Cacd. Polit. & Soc. Sci. Statistical sampling; highly accurate and simple approximations of binomial confidence limits. Publ: Co-auth, Management services by accounting firms, Ronald, 67; Approximating the upper binomial confidence limit, 19/67 & Approximating the lower binomial confidence limit, 12/68, J. Am. Statist. Asn. Address: 280 Twin Lane E, Wantagh, N.Y. 11793.
- BURTLE, JAMES L(INDLEY). Economics, Statistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: V. pres, environ. econ, W.R. Grace & Co, 7 Hanover Square, New York, N.Y. 10005.
- BURTON, DR. WAYNE EUGENE, b. Bingham, Nebr, Nov. 3, 22; m. 45; c. 4. AGRICULTURAL ECONOMICS. B.S, Wyoming, 58; M.S, Texas A&M, 66; Ph.D. (agr. econ), Montana State, 68. Vet. agr. instr. pub. sch, Lead Hill, Ark, 47; Westville, Okla, 47-51; Verdigre, Nebr, 52-56; asst. agr. econ, Texas A&M, 58-60; Montana State, 60-62; asst. prof, Nevada, 62-63; ALASKA, 63-68, ASSOC. PROF. ECON, 68. U.S.A.A.F, 42-44. Assoc. Rural Sociol, Soc; Agr. Econ. Asn. Farm management and farm firm development in socio-economic environment; new-lands type agricultural industry development and growth. Publi: Alaska's agriculture, Inst. Soc. Econ. & Govt. Res, Univ. Alaska, 70. Address: Box 4083, North Pole, Alaska 99705.
- BUSCHKE, DR. HERMAN. Neurology, Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Neurology, Albert Einstein College of Medicine, 1300 Morris Park Ave, Bronx, N.Y. 10461.

- BUSEY, DR. JOSEPH SIPFLE, b. Urbana, III, Aug. 30, 41; m. 67. PSYCHOL-GGY. A.B, DePauw, 64; Voc. Rehab. Admin. fel, North Carolina, Chapel Hill, 64-65, Vet. Admin. fel, 65-66, Ph.D.(clin. psychol), 69. STAFF PSYCHOL-GGIST, LETTERMAN GEN. HOSP, SAN FRANCISCO, 68- U.S.A.R, 66-, Capt. Psychol. Asn; Soc. Clin. Hypnosis; Asn. Suicidology. Address: Letterman General Hospital, Box 125, Presidio of San Francisco, Calif. 94129.
- BUSH, DR. CHARLES KETTRON, JR, b. Owensboro, Ky, June 29, 97; m. 46; c. 4. PSYCHIATRY. M.D. Louisville, 29. Physician gen. practice, 22-42; res. psychiat. Elgin State Hosp, Ill, 46-49; asst. supt, Dixon State Hosp, Ill, 49, supt, 49-54; dir. archit. study proj. Am. Psychiat. Asn, 54-56, chief inspection, Cent. Inspection Bd, 56-60; supt, Del. State Hosps, 61-64; DIR. HOSP, SERV. BR, DIV. MENT. HEALTH, GA. DEPT. PUB. HEALTH, 64. Clin. asst. prof., sch. med, Emory, 65- Consult, Vet. Admin. Hosp, Wilmington, Del, 61-64. Dipl, Am. Bd. Psychiat. & Neurol, 50; cert. ment. hosp, administr, Am. Psychiat. Asn, 55. Med.C, A.U.S, 42-46, Capt. Am. Med. Asn; fel. Psychiat. Asn; pub. Health Asn; Acad. Relig. & Ment. Health. Psychiatric hospital administration and architecture; laws concerning mentally ill and mentally retarded. Address: Georgia Dept. of Public Health, 47 Trinity Ave. S.W, Allanta, Ga. 30334.
- BUSHNELL, DAVID SHERMAN. Social Psychology, Sociology. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Adv. study fel, 69-, Battelle Memorial Institute, 1755 Massachusetts Ave. N.W., Washington, D.C. 20036.
- BUTKYS, DR. ADOLPH S. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. bus. admin. & mkt, 69-, Dept. of Business Administration, Villanova University, Villanova, Pa. 19085.
- BUTLER, DR. EDGAR W. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chun, 70-, Dept. of Sociology, University of California, Riverside, Calif. 32502.
- BUTLER, PROF. JOEL ROBERT. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. 68-, Dept. of Psychology, Virginia Commonwealth University, 810 W. Franklin St, Richmond, Va. 23220.
- BUTLER, PROF. JOHN M. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. psychol, 70-, University of Waterloo, Room 304 Humanities Bidg, Waterloo, Ont, Can.
- BUTLER, PROF. KATHARINE G, b. Chicago Heights, Ill, Mar. 15, 25; m. 44; c. 3. SPEECH PATHOLOGY, PSYCHOLOGY. A.B., Western Michigan, 50, M.A., 53; Ed.S., 61; Ph.D. (speech sci), Mich. State, 67. Speech therapist, Portage Scis, Mich. 52-52; assoc. dir. C. Brown Soc. Better Hearing, 53-54; supv. speech therapist, Kalamazoo Pub. Schs, Mich, 54-58; asst. prof. psy-chol, Western Mich, 62-64; speech path, SAN JOSE STATE COL, 64-68, assoc. prof, 68-69, PROF. SPEECH PATH, CHMN. DEPT. SPEC. ED. DIR. SPEECH & HEARING CENTER, 69- Consult, Santa Clara County Sch. Dist, Calif., 67-; prog. develop, Prinl. Activities for Continuing Ed. Center, 68-69; Ed. Professions Develop. Act & Elem. & See. Ed. Act profs, summer 68; Vet. Admin. Hosps, Livermore & Palo Alto, Calif., 69-; Bur. Handicapped, U.S. Off. Ed., 69- Speech & Hearing Asn; Psychol. Asn; Coun. Except. Children. Language development: speech science; child psychology. Publ: Co-aulti, Speech in the elementary classroom, Harper, 55. Address: Dept. of Special Education, San Jose State College, San Jose, Calif., 95114.
- BUTT, DR. DORCAS SUSAN, b. Vancouver, B.C., Mar. 19, 38. PSYCHOLOGY. B.A, British Columbia, 60, M.A, 63; fel. & Ph.D. (psychol), Chicago, 67; Clin, psychologist, Crease Clin. Psychol. Med, B.C., 62; Ment. Health Center, Burnaby, 63-64; ASST. PROF. PSYCHOL, BRITISH COLUMBIA, 67-Res. psychologist, Can. Welfare Coun, Ottawa, Ont, 68. Psychol. Asn. Personality theory; measurement; social psychology; social values and personality dimensions; measurement strategies in trait scaling; clinical theory and practice. Publ. Value and personality dimensions: their constancies and their relationships, Psychol. Reports, 19: 1115-1124; co-auth. A comparison of strategies in developing scales for dominance, Psychol. Bull, 70: 505-519 & Differential correlates of dominance scales, J. Personality, 37: 415-428. Address: Dept. of Psychology, University of British Columbia, Vancouver, B.C., Can.
- BUTTERS, PROF. AVERY JOHN. American History, Philosophy of History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- BUTTERWORTH, DR. JOHN. Information Science, Operations Research. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 69-, Faculty of Commerce, University of British Columbia, Vancouver 8. B.C. Can.
- BUTTRICK, PROF. JOHN (ARTHUR). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. econ, 70-, York University, Downsview 463, Ont, Can.
- BUTTS, PROF. ROBERT E(ARL). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- BUTZ, DEAN EARL L(AUER). Agricultural Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Dean continuing ed. & v.pres, 68-, Purdue Research Foundation, Purdue University, Latayette, Ind. 47907.
- BUTZ, DR. OTTO W. Political & Social Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Acting pres, 69-, Sacramento State College, 6000 Jay St, Sacramento, Call. 95819.
- BUXTON, DR. BOYD M(ARLIN), b. Idaho Falls, Idaho, Jan. 4, 36; m. 58; c. 4 AGRICULTURAL ECONOMICS. B.S, Brigham Young, 60; M.A, Washington State, 63; Ph.D. (agr. econ), Minnesota, 61. 3r. agr. economist, Washington State, 62-63; agr. economist, FARM PROD. ECON. DIV, ECON. RES. SERV U.S. DEPT. AGR, MINNESOTA, ST. PAUL, 63-70, N.CENT. FIELD GROUP

HEAD, 70- Analysis of hay prices in eleven western states; economic analysis of alternative dairy technologies; economics of size in dairy farming-publ: Co-auth, Western hay prices, Wash. Agr. Exp. Sta, 65; auth, Economies of size in Minnesota dairy farming, 88 & Alternative dairy technologies, 68, Minn. Agr. Exp. Sta. Address: Dept. of Agricultural Economics, University of Minnesota, St. Paul, Minn. 55101.

BUZICKY, DR. CHARLES WILLIAM. Medieval History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

BYERS, DR. BURTON H. Speech. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.

BYERS, DOUGLAS S(WAIN). Anthropology, Archaeology. See A-K Vol, 11th ed. Soc. & Behav. Vols. Change of address; Box 169, Andover, Mass. 01810.

BYERS, PROF. JOE LAPHAM. Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. ed, psychol, Mich. State Univ, 69- Address; 2171 Butternut Dr., Okemos, Mich. 48864.

BYERS, DR. VINCENT W. b. Albia, Iowa, June 15, 32; m. 60; c. 3. AUDIO-LOGY, PSYCHOACOUSTICS. B.S, Kentucky, 55, M.A, 56; Nat. Inst. Health grant, Pittsburgh, 59-61, Ph.D. (audiol), 61. Asst. prof. audiol, Illinois, 61-63; chief audiol. & speech path, Vet. Admin. Hosp, Pittsburgh, Pa, 63-66; asst. prof. audiol, SCH. MED, LA. STATE, NEW ORLEANS, 66-68, ASSOC. PROF, 68-, DIR. AUDIOL, 70-, acting dir, 68-70. Res. scientist, Charity Hosp, 66-; fel, Speech Perception Seminar Commun. Sci., Univ. Florida, summer 67. Consult, Ochsner Found. Hosp, 66- AAAS; Acoustical Soc. Am; Speech & Hearing Asn, Acad. Rehab. Audiol. Speech perception of hearing the hypacusic by slow-play frequency transition access mittellightly in the hypacusic by slow-play frequency transition from the hypacusic by slow-play frequency from the hypacusic by slow-play frequency from the hypacusic by slow-pla

BYRD, DR. JAMES ADON, b. Houston, Tex, Aug. 25, 24; m. 45; c. 3. ECO-NOMICS, FINANCE. B.B.A, Texas, Austin, 50, M.B.A, 55, Ph.D. (bus. admin, econ), 57. Lectr. (finance, Texas, Austin, 55-57, asst. prof., 57-58; v.pres, Tex. Commerce Bank, Houston, 58-67; ASSOC. PROF. FINANCE, HOUSTON, 67- U.S.A.A.F. 43-46, 15! Lt. Econ. Assr. Finance Assr. Nat. Ass. Bus. Econ. Bank management performance; changing structure of financial institutions; variable annutities. Address: Dept. of Finance, University of Houston, Houston, Tex. 77004.

BYRNE, PROF. DONN. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. 69-, Dept. of Psychology, Purdue University, West Lafayette, Ind. 47907.

BYRNE, DR. JOHN F(RANCIS). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Oak Ridge Regional Mental Health Center, 240 W. Tyrone Rd, Oak Ridge, Tenn. 37830.

BYRNE, SISTER MARTIN, R.S.H.M, b. New York, N.Y, May 6, 25. BUSINESS ADMINISTRATION. B.A, Marymount Col.(N.Y), 46, M.B.A, California, Los Angeles, 53, Ph.D. (finance), 59. Mem. staff BUS. ADMIN. & ECON, Marymount Col.(Calif), 47-68; PROF, COL. BUS. ADMIN, LOYOLA (CALIF), 68-Relm Found, study travel grant, Mediterranean area, 68; Nat. Defense Ed. Act grant philos. sci, American Univ, summer 65. Publ: Role of insurance companies in financing religious institutional experiments, J. Ins., 59 & The Mediterranean world: some economic aspects, Bus. & Soc, Iall 69. Address: Loyola University of Los Angeles College of Business Administration, Los Angeles, Calif. 90045.

BYRNE, DR. VENARD JOSEPH. Modern Church History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

BYRON, DR. LEONARD J, b. Worcester, Mass, June 18, 15; m. 62; c. 1. CLINICAL PSYCHOLOGY, PHILOSOPHY. Baccalauréat, Nicolet Col. 37; B.A. Assumption Col. (Mass), 40; D. Th. Laval, 44, Ph.D. (psychol), 48; Ohio State, 62-63. Assoc. prof. psychol, Assumption Col. (Mass), 48-56; v.pres. & dir., Lebow-Gould Assoc. N. 7, 56-60; assoc. prof. psychol, Col. Steubenville, 60-62; fel, Norwich State Hosp, Conn. 62-63, clin. intern. 63-64, chief psychologist, 67; psychologist, Rohrer, Hibler & Reploble, 64-67; dir., ment. health planning, State of Conn. 68; RESEARCHER CHILDREN, PRIVATE PRACTICE, PUB. SCH. KYSTS. & SCHS. FOR EMOTIONALLY DISTURBED CHILDREN, 69- Lectr, Montreal, 65-67. Consult, Can. Mgt. Asn, 67; specconsult, Norwich Sch. Syst, 67-68; Founder & consult, Mountain Laurel Sch. Emotionally Disturbed Children, 68- Psychol. Asn; Orthopsychiat. Asn; Soc. Proj. Tech. & Personality Assessment; N.Y. Acad. Sci. Errain damage and operant conditioning in children as they relate to the classroom and teacher-learner situation. Publ: La connaissance du particulier, Laval Univ, 49. Address: 84 Coolidge Rd, Worcester, Mass. 01600.

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effects of goal box delay and separate delay box delay on pattern running, Psychonomic Sci, 17: 5-6, Resistance to extinction in the rat following regular and irregular schedules of partial reward, (in press) & Partially delayed reward: some effects of sequential reward magnitude in the rat, (in press), 2, Comp. & Physiol. Psychol. Address: Dept. of Psychology, Southern Methodist University, Dallas, Tex. 75222.

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- CANN, DR. KENNETH THOMAS. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address; Assoc. ptd, 68-, Dept. of Economics, Western Kentucky University, Bowling Green, Ky. 42101.
- CANNEDY, DR. RODNEY CARROLL, b. Wichita Falls, Tex, Jan. 30, 4½, m. 60; c. 2. INDUSTRIAL & CLINICAL PSYCHOLOGY. B.A, Howard Payne Col, 63; Ph.D. (psychol), Baylor, 69, Instr. PSYCHOL, Howard Payne Col, 66-67; ASST. PROF, HARDIN-SIMMONS, 67 Consult. psychologist, W.Tex. Rebab. Center, Abliene, 67 Psychol. Asn. Physiological factors in counseling and psychotherapy with emphasis on autonomic nervous system; tests for industrial selection and diagnosis of language disability. Address: Dept. of Psychology, Hardin-Simmons University, Abilene, Tex. 79601.
- CANNELL, PROF. CHARLES F, b. Antrim, N.H, Sept. 10, 13; m. 37; c. 2. PSYCHOLOGY, JOURNALISM. B.A, New Hampshire, 36; M.A, Ohio State, 40, Ph.D. (psychol), 52. Teaching asst. psychol, 10ho State, 40-22; asst. dir, Columbus Counseling Center, 41-42; head field sect, div. prog. surv, U.S.

- Dept. Agr., 42-46; lectr. journalism, MICHIGAN, 52-53, asst. prof. JOUR-NALISM & PSYCHOLOGY, 54-57, assoc. prof, 57-62, PROF, 62-, PROG. DIR. & HEAD FIELD STAFF, SURVEY RES. CENTER, INST. SOC. RES., 46-Lectr., Nat. Training Lab. Group Develop, Bethel, Maine, 52-53. Consult, Nat. Center Health Statistics, 66-68. Nat. Center Health Startistics, 66-68. Co. abuth, The dynamics of interviewing, Wiley, 57, The collection of data by interviewing, Grant Control of the Control o
- CANNEY, JOHN P(ATRICK). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 190 Lilly Chapel Rd, West Jefferson, Ohio
- CANNON, DR. DENNIS, b. Neenah, Wis, Oct. 3, 33. PSYCHOLOGY. B.A. Wisconsin, 55; M.S. Purdue, 57, Ph.D. (psychol), 59. Sr. scientist, HumRRO, 59-67; AST, PROF. PSYCHOL, PURDUE, 67. Psychol. Asn. Statistics; experimental design; physiological psychology. Publ; Co-auth, Effects of sleep deprivation on performance over a 48 hour period, HumRRO, 69: auth, Democratic authoritarian attitudes; comparison of the factor patterns from several populations, In: Anti-democratic attitudes in American schools, Northwestern Univ, 63; co-auth, Use of collective schedules of reinforcement to regulate a team response rate, Psychol. Record, 1/64. Address: Dept. of Psychology, Purdue University, Ft. Wayne, Ind. 46805.
- CANNON, DR. M(OSES) HAMLIN. Military & Religious History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- CANTELON, DR. JOHN EDWARD. Philosophy of Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- CANTERBERY, DR. ESTES RAY. Economics. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 70-, Dept. of Economics, Florida State University, Tallahassee, Fla. 32306.
- CANTOR, DR. JOEL M(ALCOLM). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Consult. prog. develop, center studies narcotics & drug abuse, 69-. National Institute of Mental Health, 5454 Wisconsin Ave, Chevy Chase, Md. 20015.
- CANTRELL, DR. PAUL G. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Training, diag. & res. specialist, 69-. Jackson County Missouri Juvenile Court, 1305 Locust St, Kansac City, Mo.
- CANTRIL, DR. ALBERT H, JR. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: V.pres, Inst. Int. Soc. Res, 69- Address: 124 Mercer St, Princeton, N.J. 08540.
- CANTRIL, DR. (ALBERT) HADLEY. Psychology. See 11th ed, Soc. & Behav. Vols, deceased 69.
- CAPEHART, DR. JACK EDWARD. Psychology. See 11th ed, Soc. & Behav.
- CAPLAN, DR. ELEANOR K(IRSCHNER). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Case Western Reserve University, Room 110 Baker Bidg, Cleveland, Ohio 44106.
- CAPORASO, DR. JAMES A, b. Sayre, Pa, Sept. 2, 41; m. 62; c. 1. POLITICAL SCIENCE. B.A, Pa. State, 63; M.A, Villanova, 65; Ph.D. (polit. sci), Pennsylvania, 68. ASST. PROP. POLIT. SCI, NORTHWESTERN, 68. Grants Off. Res. Coord, Northwestern Univ, 68-69 & 69-70, Center Inter-Societal Studies, 69-70. Consult, Meredith Pub. Co, Chicago, III, 69-70. International realtions theory; general systems theory; functional analysis; some of the problems dealt with by philosophers of science. Address: Harris Hall, Northwestern University, Evanston, III. 60201.
- CAPUTO, DR. DANIEL V(INCENT). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 70-, Dept. of Psychology, Queens College, Kissena Bird, Flushing, N.Y. 11367.
- CARBOY, DR. JOHN JOSEPH, JR. b. Astoria, N.Y. Feb. 10, 30. EDUCA-TIONAL PSYCHOLOGY. B.A. Manhattan Col. 53; M.A. Fordham, 57; Ph.D. (gsychol), St. John's N.Y., 65. Teacher, St. Dominic: High Sch. Oyster Bay, N.Y., 54.58; psychol, intern. St. Anthony's Psychiat, Clin, 57-59; psychologist, Catholic Charities, Rockville Centre, 96-64; psychiat, diy, Mercy Hosp, Rockville Centre, 64-66; ASST. PROF. PSYCHOL, ST. JOHN'S (N.Y.), 65. DIR, SCH. PSYCHOL, PSYCHOL, ST. JOHN'S (N.Y.), 65. DIR, SCH. PSYCHOL, St. PSychologist, Bd. Coop. Ed. Serv, Third Super, 59-60; dir, psychol. serv, South Huntington Sch. Dist, 60-70. Consult, L.I. Assocs, for Ment, Health, 64-66; Congressional Conf. Learning Disorders, Holstra Univ, 65; Cmt. Learning Disabilities, South Huntington, 66-68; Cmt. Extended Readings, N.Y., 69. Chmn, Dist. Cmt. Except. Children, South Huntington, 69-Psychol. Asn; Coun. Except. Children. Development of objective test items for identification of learning disabilities in primary grade children; employment of limstrip projection for group assessment procedures. Publ. Perceptual identification test, 69 & Pictorial reasoning and analogies test, 69, Eye Gate, Nature, recognition and treatment of learning disabilities, St. John's Univ, 69. Address: 51 Cornell Ave, Hicksville, N.Y., 11801.
- CARD, DR. DANA G(EORGE). Statistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof. agr. econ, 88-, Agricultural Experiment Station, University of Kentucky, Lexington, Ky. 40506.
- CARDEN, DR. MAREN LOCKWOOD, b. Stretford, Eng; m. 68. SOCIOLOGY. B.Sc., London, 55; M.A., Maryland, 57; Whitney fel, Radcliffe Col, summer 61; Ph.D. (sociol), Harvard, 63. Asst. prof. SOCIOL, State Univ. N.Y. Bufalo, 63-66; ASSOC. PROF. BOSTON, 66- Russell Sage Found. res. grant, 70-71 & summer 71; scholar, Radcliffe Inst, 70-71. Am. Philos. Soc. Award,

- 63. Sociol. Asn, Soc. Sci. Study Relig. Social reform movements; Utopian communities; sociology of religion; social psychology. Publ: Oneidai: from utopian community to modern corporation, Johns Hopkins, 69; Experimental communities in America, Daedalus, 65. Address: Dept. of Sociology & Anthropology, Boston University College of Liberal Arts, 232 Bay State Rd, Boston, Mass. 02215.
- CARDON, DR. BARTELL WILSON, JR. Child & Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. prof. grad. sch ed, Pennsylvania, 68- Address: 1521 Powder Mill Lane, Wynnewood, Pa. 19096.
- CARDOZO, MICHAEL H. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- CARDOZO, DR. RICHARD N, b. Minneapolis, Minn, Feb. 13, 36; m. 59; c. 2. MARKETING. A. B. Carleton Col., 56; Fulbright fel, London, 56-57; M. B. A. Harvard, 59; Ford Found, fels, Minnesota, 61-63, Ph. D. (mtd), 64. Asst. prof. bus. admin, Harvard, 64-67; ASSOC. PROF. MKT. & DIR. CENTER EXP. STUDIES IN BUS, MINNESOTA, 67- Lectr., Gen. Elec. Co., 67- Consult, Morse Shoe, Inc, 66-67; Kendali Copp, 67- U.S. A. R, 59-65. Mkt. Asn. Marketing management; product policy; consumers' behavior. Publ: Co-auth, Problems in marketing, McGraw, 4th ed, 68; auth, An experimental study of consumer effort, expectation and satisfaction, J. Mkt. Res, 65; Segmenting the industrial market, Am. Mkt. Asn, 68. Address: Dept. of Marketing, University of Minnesota, Minneapolis, Minn. 55455.
- CAREY, DR. ALAN D(ONALD). Economics, Business Administration. See A-K Vol., 11th ed, Soc. & Behav. Vols. New position: Pres, Credit Bur. Metro-Detroit, Inc, 69- Address: 20918 Botsford Dr, Farmington, Mich. 48024.
- CAREY, DEAN EDWIN L, b. Anna, Ill, Jan. 15, 24; m. 47; c. 2. BUSINESS ADMINISTRATION. B.S. in Ed, Illinois State, 49; M.B.A, Indiana, 50, D.B.A, 60. Asst. prof. bus. admin, Lincoln Mem. Univ, 50; instr. bus. & acct. Flint Community Col. 50-57; assoc. prof. econ, Lamar State Col., 60-62; finance, Northern Illinois, 62-58; 67-68; chmn. bus. studies, Ohio Univ-U.S. Agency Int. Develop. proj. Western Nigeria, 65-67; PROF. BUS. ADMN. & DEAN SCH. BUS, CUM, 68- Finance Asn; Econ. Asn; Asn. Ed. Int. Bus; Soc. Int. Develop. Publ: Guam—a developing economy, Guam Tech. Serv, 70; Business education's role in a developing nation, Bus. Ed. World, 2/68 & A visit to the lair of the bear, Am. Int. Col. J, fall 68. Address: School of Business, University of Guam, Agnaa, Guam 86910.
- CARLEY, DR. CAMERON, b. Chicago, Ill, Oct. 2. MANAGEMENT. B.S. Illinois, 51, Ph.D.(bus), 68; M.B.A, Northwestern, 54. Instr. econ, North Park Col, 58-65; ASST. PROF. MGT, DePAUL, 69- Acad. Mgt. Financial structure typically found in the meat packing industry. Publ: Co-audh, Rights in conflict, In: The Walker report, Nat. Cmn. Causes & Prev. of Violence, 68. Address: Dept. of Management, College of Commerce, DePaul University, Chicago, Ill. 60614.
- CARLISLE, DR. ARTHUR ELLIOTT, b. Montreal, Que, Oct. 16, 26; m. 49; c. 5.
 LABOR ECONOMICS. B. A, McGill, 48; M.B.A, Michigan, 63, univ. fel, 6364; U.S. Steel Found fel, 64, Ford Found, fel, 65, Ph.D. (econ, indust. rels),
 66. Asst. personnel mgr, Bendix-Eclipse Co. Can. Ltd, 52-55; Stroh Brewery Co, Mich, 55-63; res. assoc, bur. indust. rels, Michigan, 63-66; ASSOC.
 PROF. MCT, MASSACHUSETTS, 66- Pres, Maumee Machine & Tool Co,
 Ohio, 65. R. C.N, 44-45. Econ. Asri, Indust. Rels. Res. Asn. Operation of
 United States subsidiaries in Canada; labor movement in Quebec. Publ.: Cultures in collision, Univ. Michigan, Bur. Indust. Rels. 67; Cultural differences and supervisory styles, Indust. Rels. Quart. Rev., 1/68; co-auth, Affluence and the individual, Mgt. Personnel Quart, fall 69. Address: Dept. of
 Management, University of Massachusetts, Amherst, Mass. 01002.
- CARLISLE, DR. RODNEY. United States History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- CARLOUGH, PROF. WILLIAM LESLIE. Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- CARLSON, DR. ARTHUR RICHARD, b. Worcester, Mass, Apr. 19, 38. MAR-KETING, PSYCHOLOGY. A. B., Clark, 61; Ph.D. (bsychol), Illinois, 68. Instr. psychol, Massachusetts, Boston, 67-68, asst. prof. 68-69; YSTS: ANALYST, FULLER & SMITH & ROSS INC, 69- Consult, Northeast Opinion Res, Mass, 68-69. U.S.A.R, 62-68. Psychomet. Soc: Psychol. Asn; Mkt. Asn. Attitude measurement; psychological scaling; marketing and advertising research; surveys; motivation research; depth psychology; interviewing. Address: 250 E. 39th St, New York, N.Y. 1010.
- CARLSON, PROF. GUSTAV G(UNNAR). Ethnology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Head, 69-, Dept. of Anthropology, University of Cincinnati, Cincinnati, Ohio 45221.
- CARLSON, PROF. GUSTAVE E, b. Ashland, Wis, Dec. 8, 09; c. 5. EDUCATIONAL PSYCHOLOGY. B.S, Stout State, 34; M.S, Wisconsin, Madison, 35, Ph.D. (psychol. & ed), 42. Teacher, pub. schs, Wis, 28-30; guid. dir. adult ed, Civilian Conserv. Corp, 35-37; teacher & dir. summer session, Augustana Col.(S.Dak), 38-42; training adv. to Nelson Rockefeller, coordinator Inter-Am. Haffars, Wash, D. C, 42-45; VIS. PROF. ED. PSYCHOL, East. Wash. Col. Ed, 57; Inter-Am. Univ. P.R, 59; California Western, 60; MAMPTON INST, 58- Teacher & part-time res. asst, Univ. Wisconsin, 35-42. Pres. & chmn. bd, Midwest Press & Supply CO, 41-55. Hampton inst. rep, Int. Corg. Psychol, London, 69. Int. Corg. Psychol. Teacher personality; use of animals in motivating student learning; study of taraxen in psychotics; XYY chromosomes in criminality; circulation and importance of recall aspects of memory in seniity. Address: Dept. of Psychology, Box 6591, Hampton Institute, Hampton, Va. 23368.

- CARLSON, DR. JACK WILSON. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. dir, U.S. Budget for Prog. Eval, Wash, D.C., 69-Address: 500 Canterbury Lane, Alexandria, Va. 22314.
- CARLSON, DR. KRISTIN ROWE, b. Minneapolis, Minn, July 31, 40. PHYSIO-LOGICAL PSYCHOLOGY. B.A, Michigan, 62; Nat. Sci. Found. fel, McGill, 62-66, M.A, 63, Ph.D. (psychol), 66. Nat. Inst. Ment. Health fel, 66-68; ASST. PROF. PHARMACOL. & PSYCHOL, PITTSBURGH, 68- AAS; Psychol. Asn. Physiological bases of learning and memory; psychopharmacology. Publ: Cortical spreading depression and subcortical memory storage, J. Comp. & Physiol. Psychol, 67. Address: Dept. of Pharmacology, 620 Scalfe Hall, University of Pittsburgh School of Medicine, Pittsburgh, Pa. 15213.
- CARLSON, DR. MILTON E. Industrial Management. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. dir, 69-, Bureau of University Research, Northern Illinois University, De Kalb, III. 60115.
- CARLSON, DR. NEIL R, b. Chicago, Ill, Sept. 23, 42; m. 66; c. 1. PSYCHOL-OGY. A. B, Illinois, Urbana, 64, A. M. & Ph. D. (psychol), 66. Nat. Inst. Ment. Health fel, Iowa, 65-68; ASST. PROF. PSYCHOL, MASSACHUSETTS, 68-AAAS. Neural and hormonal control of maternal behavior and sequential behavior; sensory coding. Publ: Co-auth, Maternal behavior of mice with limbic lesions, 68, Enhanced alternation performance following septal lesions, 70 & auth, Two-way avoidance behavior of mice with limbic lesions, 70, J. Comp. & Physiol. Psychol. Address: Dept. of Psychology, University of Massachusetts, Amherst, Mass. 01002.
- CARLSON, DR. RAE S(TAHL). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Exec. secy. soc. sci. res. cmt, 69-, National Institute of Mental Health, 5454 Wisconsin Ave, Room 10 A-01, Chevy Chase. Md. 20015.
- CARLSON, DR. RICHARD HOWARD, b. Minneapolis, Minn, Apr. 1, 27; m. 69; c. 3. PHYSIOLOGICAL PSYCHOLOGY. B.S, Minnesota, 52, Ph.D.(exp. psy-chol), 63; M.Ed, Hawaii, 53. Instr. psychol, Minnesota, 59-63; asst. prof, physiol. psychol, Maine, 63-64; fel, Minnesota, 64-65; Nat. Inst. Health fel, neurophysiol, 74a, 65-66; ASST. PROF. PSYCHOL, TEXAS TECH, 66-Psychol. Asn. Neurophysiology of motivation; social behavior in animals induced by brain stimulation. Address: Dept. of Psychology, Texas Tech University, Lubbock, Tex. 79409.
- CARLSON, DR. ROBERT ELMER, b. Minneapolis, Minn, Jan. 1, 36; m. 60; c. 3. PSYCHOLOGY. B.B.A, Minnesota, 59, M.A, 60, Ph.D. (psychol), 65. Res. asst, indust. rels. center, Minnesota, 58-59, res. fel, family study center, 59-60, indust. rels. center, 60-63, lectr., 64-65, RES. DIR, LIFE INS. AGENCY MGT. ASN, 65- U.S.N, 54-62. Psychol. Asn; indust. Rels. Res. Asn. Decision making in interpersonal perception, nature, structure and function of performance criteria; meaning and importance of job satisfaction. Univ. Minnesota Indust. Rels. Center, 62; auth, The interaction of organization and individual influences on hiring decisions, in: Organizational behavior, Irwin, 69; Effect of interview information in altering valid impressions, J. Appl. Psychol, 70. Address: Life Insurance Agency Management Association, 170 Sigourney St, Hartford, Conn. 06105.
- CARLSON, DEAN ROBERT S(COTT), b. Chicago, Ill, June 16, 34; m. 62; c. 2. BUSINESS ADMINISTRATION. S. B. Mass. Inst. Tech. 56; Allied Chem. Found. & Cook County fels, Billings & Mass. Inst. Tech. Club of Chicago scholars, Stanford, 60-64, M.B.A., 62, Ph.D. (bus), 64. Instr. U.S. Naval Reserve Intel. Sch. 57-66); fel, Ford Motor Co., 62; (financial analyst, Standard Oil Co. (N.J.), 63; instr. bus. admin. Stanford, 63-64; asst. prof. Columbia, 64-66; asst. prof. Harvard Bus. Sch., 66-69; DEAN CHARLES H. BABCOCK SCH. BUS. ADMIN. WAKE FOREST, 69- Vis. prof. Robert Col. Islandul, 66; dir. Bates & Daly, Inc., 69- Consult, Am. Mgt. Asn, 64-66; Arthur D. Little, Inc., 66-67. U.S.N.R, 57-60, Lt. Econ. Asn; Finance Asn. Measuring investment performance. Publ. Aggregate performance of mutual funds, J. Financial & Quant. Anal, 70. Address; Wake Forest University Charles H. Babcock School of Business Administration, P.O. Box 7285, Winston-Salem, N.C. 27109.
- CARLSON, DR. ROY LINCOLN. Anthropology, Archaeology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir. archaeol. studies, 69-, Simon Fraser University, Burnaby 2, B.C, Can.
- CARLSTON, PROF. KENNETH S(MITH). International Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- CARMEN, DR. IRA H(ARRIS). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Political Science, University of Illinois, Urbana, Ill. 61801.
- CARMICHAEL, DR. CARL WILLIAM, b. Pittsburgh, Pa, Jan. 11, 40; m. 63; c. 3. COMMUNICATION RESEARCH. B.A, Westminster Col.(Pa), 61; M.A, La. State, 62; Ph.D.(commun), Iowa, 65. ASSOC. PROF. COMMUN. & DIR. COMMUN. RES. CENTER, OREGON, 65- Int. Commun. Asn; Speech Commun. Asn. Publ: Co-auth, Frustration and language intensity, Speech Monogrs, 6/65; auth, The development of communication theory: a prefatory analysis, Commun. Speetra 7, Nat. Soc. Study Commun, 6/68. Address: Dept. of Speech, University of Oregon, Eugene, Ore. 97403.
- CARMODY, DR. GEORGE R. Population Genetics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- CARNAHAN, PROF. JAMES EDWIN. Public Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Coordinator res. & develop, highway traffic safety center, Mich. State, 89- Address: 2795 Lamoreaux Lane, Holt, Mich. 48842.
- CARNATHAN, DR. JAMES GILBERT. Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Mgr. training, 69-, New Eng. Merchants National Bank, 28 State St, Boston, Mass. 02106.

- CARNEIRO, DR. ROBERT L(EONARD). Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Curator S.Am. Ethnol, 69-, Dept. of Anthropology, American Museum of Natural History, 79th & Central Park W, New York, N.Y. 10024.
- CARNES, PROF. JESS GALE. Modern European & English History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- CAROL, PROF. HANS (HEINRICH). Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Geography, York University, Toronto-Downsview, Ont, Can.
- CARP, DR. FRANCES M(ERCHANT). Psychology. See A.-K. Vol, 11th ed, Soc. & Behav. Vols. New position & address: Res. specialist, 69-, Langley Priter Neuropsychiatric Institute, 401 Parnassus Ave, San Francisco, Calif.
- CARPENTER, PROF. CHESTER J, b. Robertson, Wyo, Nov. 17, 19; m. 62; c. 2. SOCIOLOGY. A. B., Southern California, 52, grad. cert. soc. work, 54; M.S. lows State, 59; univ. fel, Fla. State, 61-62, Ph.D. (Sociol), soc. welfare), 69. Caseworker, Family Serv. League, lows, 55-57; instr. sociol. & soc. work, lows State, 57-59; soc. welfare, Fla. State, 60-62; asst, prof. SOCIOL & SOC. WORK, INDIANA STATE, 62-65, assoc. prof., 65-70, PROF, 70- Mem. house del, Coun. Soc. Workers, Mat. Gun. Family Rels, Coun. Soc. Workers, Acad. Cert. Soc. Workers, Nat. Coun. Family Rels, Coun. Soc. Workers, Acad. Cert. Soc. Workers, Nat. Coun. Family Rels, Coun. Soc. Workers, Acad. Cert. Soc. Workers, Nat. Coun. Family Rels, Coun. Soc. Workers, Mat. Coun. Family Rels, Coun. Soc. Workers, Mat. Coun. Family Rels, Coun. Soc. Workers, Nat. Coun. Family Rels, Coun. Soc. Rels, Nat. Coun. Family Rels, Cou
- CARPENTER, PROF. C(LARENCE) RAY. Behavioral Psychology, Primatology. See L.-Z Vol., 11th ed, Soc. & Behav. Vols. New position & address: Res. prof. psychol. & anthrop, 70-, Dept. of Psychology, University of Georgia, New Psychology Bldg, Athens, Ga. 30601.
- CARPENTER, PROF. DAVID B(AILEY). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chum. dept. sociol, Washington (St. Louis), 69- Address: 715 W. Oak Dr, Clendale, Mo. 63122.
- CARPENTER, DR. EARL T(HOMAS), b. Hannibal, Mo, Mar. 25, 24; m. 44; c. 3. AGRICULTURAL & VOCATIONAL EDUCATION. B.S, Missouri, 48, M.Ed, 54; Ed.D. (agr. ed), 60. Coordinator agr. short courses, Missouri, 60-61, asst. prof. agr. ed, 62-67, CLEMSON, 61-62, dir. res. coord. unit, 67-68, ASSCC. PROF. AGR. ED, 68- Voc. ed. consult, Midcontinent Regional Ed. Lab, 66; curriculum consult, Mo. State Dept. Ed, 66-671. U.S.A, 43-46. Ed. Res. Asn. Voc. Ed. Res. Asn. Curriculum development; scholastic rehabilitation of underachieving students. Publ: Farming opportunities in Missouri projected through 1975, Agr. Exp. Sta, Univ. Missouri, 60 & Plant science for vocational agriculture in Missouri, Mo. State Dept. Ed, 67; co-auth, The occupational structure of Dillon County, South Carolina, Res. Coord. Unit, Clemson, 68. Address: Dept. of Agricultural Education, Clemson University, Clemson, S. C. 29631.
- CARDENITER, DR. FRANK ROBERT, b. Troy, Kans, Aug. 15, 20; m. 40; c. 5. AGRICULTURAL EDUCATION, EDUCATIONAL ADMINISTRATION. B.S. Kansas State, 48, M.S., 51; Ph.D. (agr. ed), Missouri-Columbia, 67. Teacher, elem. schs, Kans, 38-41; machinist & crew chief, Cessna Aircraft Co, 42-44; instr., high sch., 48-49; asst. instr. agr. ed, Kansas State, 49-51; instr., high sch., 51-56; asst. state super. voc. agr., State Bd. Voc. Ed, 56-61; ASST. DEAN COL. AGR, KANSAS STATE, 61- Consult. voc. ed, Ahmadu Bello Univ, Nigeria, summer 69. U.S.N, 44-66. Agricultural education at the university level, including factors affecting enrollments, curriculum development and effective instruction. Publ. A study of the occupational status of state farmer degree members of Kansas, Agr. Ed. Mag., 1/52; co-auth, Relationships between educational expriences of vocational agriculture students and their enrolling in a college of agriculture, J. Nat. Asn. Cols. & Teachers of Agr., 12/69. Address: College of Agriculture, Kansas State University, Manhattan, Kans. 66502.
- CARPENTER, DR. GENEVIEVE C(ASTRODALE). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Sr. lectr, 70., Behaviour Development Research Unit, St. Mary's Hospital Medical School, University of London, 810 Edgware Rd, London, W.2, Eng.
- CARPENTER, DR. PATRICIA HUMPHREY. Clinical Psychology. See A-K Vol, 1th ed, Soc. & Behav. Vols. New information: Consult, St. Clair Hosp, Detroit, 69- Address: 3875 W. Coon Lake Rd, Howell, Mich. 48843.
- CARPENTER, DR. WALTER H, JR. Business Policy, Labor Relations. See A-K Vol., 11th ed., Soc. & Behav. Vols. New information: Also v.pres. acad. affairs, 69-, Babson College of Business Administration, Babson Park, Mass. 02157.
- CARR, DR. BURCHARD M, b. Indianapolis, Ind, Apr. 17, 35; m. 59; c. 2. SPEECH PATHOLOGY, COMMUNICATION SCIENCE. A B, Denison, 57; M.A, Ohio, 62, Ph.D. (speech path, 64. Asst. prof. speech path, 64. 66; asst. prof. speech path, 64. Asst. prof. speech path, 67; ASST. PROF. SPECH PATH, WISCONSIN-MINWAUKEE, 67. Consult, Winfield State Hosp. & Training Center, Kans, 67. U.S. A.R, 57. Speech & Hearing Asn; Acoustical Soc. Am; Speech Asn. Am. Speech production processes; speech perception. Publ: Delayed auditory feedback and breathing, Cent. States Speech J. Spring 68. Address: Dept. of Speech, University of Wisconsin-Milwaukee, Milwaukee, Wis. 53211.
- CARR, DR. GEORGE L(EROY). Physics, Science Education. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- CARR, DR. LOIS GREEN. American Colonial & Legal History. See 5th ed, Dir, Am. Scholars, Vol. I, Hist.
- CARRIER, DR. RONALD EDWIN. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: V.pres. acad. affairs, 69-, Memphis State University, Memphis, Tenn. 36111.

- CARRIGAN, DR. ROBERT LAWRENCE. Religion, Behavioral Sciences. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- CARRIKER, PROF. WILLIAM R(EVERE). Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. spec. ed. & chmn. dept, 69-, School of Education, Room 17 Peabody Hall, University of Virginia, Charlottesville, Va. 22903.
- CARRINGTON, DR. JOHN OLIVER. American & European History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- CARROLL, DR. BERENICE ANITA. Modern History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- CARROLL, DAVID W, S.J, b. Valley Stream, N.Y, Sept. 29, 26. CLINICAL PSYCHOLOGY. Ph.L, Woodstock Col, 51, M.A.T, 52, S.T.L, 58; M.A., Fordham, 61, Ph.D.(clin, psychol), 67. Teacher, high sch, N.Y, 51–54; asst. prof. psychol, Fordham, 65–69, dir. counseling center, 66–69; DIR. PERSONNEL, NEW YORK JESUIT PROVINCE, 69. Psychol. Asn; Personnel & Gudi. Asn., Personality assessment; psychotherapy; psychology of religion. Publ: Follow-up study of psychological assessment, for ministerial selection, Fordham Univ. 70. Address: Kohlmann Hall, 501 E. Fordham Hd, Pronx, N.Y. 10458.
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- CARRON, THEODORE J(OSEPH). Psychology, Chemical Engineering. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Mgr. mgt. develop. & training, 69-, Ethyl Corp, P.O. Box 2189, Richmond, Va. 23217.
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- CARRY, DR. L(AROY) RAY. Mathematics, Education. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
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- CARTER, PROF. GEORGE LAROME, JR. Administration, Animal Science. See A.K Vol, 11th ed, Soc. & Behav. Vols. New information: On leave from Univ. Wis. as dir. postgrad.prog.for agr. adv. personnel, 69-, University College of Dublin, Lyons Estate, Celbridge, County Kildare, Ireland.
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CARTER, PROF. ROY ERNESTD. JR. Sociology. See A. K. Vol. 11th ed. Soc.

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CARUTHERS, DR. ROBERT PHELPS. Psychology, Neurophysiology. See Suppl. V to 11th ed, Phys. & Biol. Vols.

CARZO, PROF. ROCCO, JR, b. Crum Lynne, Pa, Dec. 25, 29; m. 53; c. 4. BUSINESS ADMINISTRATION. B.S. Delaware, 51; M.S. Baylor, 54; D.B.A, Indiana, 58. Army tank inspector, Baldwin-Lima-Hamilton Corp, 51; instr., Alaska, 54-55; Indiana, 55-58; PROF. MGT. & HEAD DEPT, Pa. State, 67-70; SCH. BUS, TEMPLE, 70- Prod. trainee, Gen. Elec. Corp, 51; Ford Found, fel, summer 60. U.S.A.F, 51-55, 5/8gt. Acad. Mgt; Soc. Gen. Systs. Res. Organization structure on group performance; models for organization design. Publ: Co-auth, Formal organization: a systems approach, Irwin, 67; auth, Some effects of organization structure on group effectiveness, 3/63 & co-auth, Effects of flat and tall orstructure on group effectiveness, 3/63 & co-auth, Effects of flat and tall or-

ganization structure, 8/69, Admin. Sci. Quart. Address: School of Business, Temple University, Philadelphia, Pa. 19122.

CASE, DR. MAURICE. Sociology. See 11th ed, Soc. & Behav. Vols, deceased 68.

CASELLA, DR. CONO. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. econ, Long Island, 69- Address: 1 Beechwood Dr, Glen Head, N.Y. 11545.

CASEY, PROF. RALPH D(ROZ). Journalism, Communications. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

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CASHMAN, DR. PAUL H. Speech Communication. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

CASKEY, DR. OWEN L(A VERNE). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also v.pres. student affairs, 68-, College of Education, Texas Tech University, Lubbock, Tex. 79409.

CASPER, PROF. BERENICE M(ARGARET). Geography. See A-K Vol., 11th ed, 8oc. & Behav. Vols. New information: Also chmn, 69-, Dept. of Geography, Trenton State College, Trenton, N.J. 08625.

CASPER, DR. JONATHAN DAVID, b. Tacoma Park, Md, June 2, 42. POLITICAL SCIENCE. B. A, Swarthmore Col, 64; M.A. Yale, 65, Ph.D.(polit. sci), 68. Res. fel. POLIT. SCI, Brookings Inst, 67-68; ASST. PROF, YALE, 68-Soc. Sci. Res. Coun. grant, 70-71. Polit. Sci. Asn, Law & Society Asn. Legal institutions and processes. Publ: Lawyers and loyalty-security litigation, Law & Society Rev, 5/69; Lawyers before the Supreme Court: civil liberties and rights, 1957-66, Stanford Law Rev, 2/70. Address: Dept. of Political Science, Yale University, New Haven, Conn. 06520.

CASSELLA, DR. WILLIAM N(ATHAN). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Exec. Dir, Nat. Munic. League, 69-Address: 100 Buena Vista Dr. Dobbs Ferry, N.Y. 10522.

CASSTEVENS, DR. THOMAS WILLIAM, b. Fayette, Mo, Feb. 3, 37; m. 58; c. 2. POLITICAL SCIENCE. B.A, Reed Col, 59; Falk fel, Mich. State, 59-60; Ph.D.(polit. sci), 66. Asst. instr. soc. sci, Mich. State, 61-63; asst. res. polit. scientist, California, Berkeley, 63-66; asst. prof. POLIT. SCI, OAK-LAND, 66-69, ASSOC. PROF, 69. Lectr, California, 63-64; Nal. Sci. Found. Sci. Faculty fel, 68-69; vis. fel, Dartmouth Col, 68-69. Polit. Sci. Asn. British and American politics; mathematical political science. Publ: The politics of fair housing legislation, Chandler, 68; Party theories and British parties, Midwest J. Polit. Sci, 61: A theorem about voting, Am. Polit. Sci. Rev, 68. Address: Dept. of Political Science, Oakland University, Rochester, Mich. 48065.

CASTELLAN, DR. N(ORMAN) JOHN, JR. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. 69-, Dept. of Psychology, Indiana University, Bloomington, Ind. 47401.

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CASTORE, DR. GEORGE F. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir, 68-, In Service Center, Educational Area XV, 120 E. Third St, Ottumwa, Iowa 52501.

CASTRO, DR. BARRY. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn, 70-, Social Science Group, Hostos College, 161st St. & Grand Concourse, Bronx, N.Y. 10451.

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Psychol. Asn; Human Factors Soc. Human learning and performance; visual detection. Publ: Arousal as a factor in reminiscence, 24: 1171-1180 & coauth, Factors in recovery from performance decrement: activation, inhibition, and warm up, 25: 1223-1223, Perceptual & Motor Skills; auth, The role of repetition in the serial learning of meaningful material, Psychonomic Sci, 14: 65-66. Address: Dept. of Psychology, State University of New York College at Cortland, Cortland, N.Y. 13045.

CAUDILL, DR. ORLEY BRANDT, b. Salyersville, Ky, Mar. 5, 18; m. 50; c. 2. POLITICAL SCIENCE, HISTORY. B.S. Maryland, 62, M.A., 64, Ph.D. (int. rels), 68. ASST. PROF. POLIT. SCI, SOUTHERN MISSISSIPPI, 80b: Latin America's long road into the future, 10/68 & NATO: the durable alliance, 10/69, South. Quart. Address: Dept. of Political Science, University of Southern Mississippi, Hattieburg, Miss. 39401.

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CERIMELE, DR. BENITO JOSEPH. Biomathematics, Mathematics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

CERMAK, DR. LAIRD S(COTT), b. Cleveland, Ohio, June 24, 42; m. 69. PSY-CHOLOGY. B.A, Ohio Wesleyan, 64; M.A, Ohio State, 55, Nat. Insts. Health eld, 65-68, Ph.D. (memory), 68. Vis. prof. PSYCHOL, Ohio Wesleyan, 66-68; ASST. PROF. TUFTS, 68- AAAS; Psychol. Asn. Human memory; classical conditioning; learning; statistics. Publ: Transfer effects of synonyms and antonyms in mixed and unmixed lists, J. Verbal Learning & Verbal Behav, 67; co-auth, ISI and CS duration effects in differential conditioning, 69 & auth, Repetition and encoding in short-term memory, 69, J. Exp. Psychol. Address; Dept. of Psychology, Tufts University, Medford, Mass. 02155.

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CETRON, MARVIN J. Industrial Engineering. See Suppl. V to 11th ed, Phys. & Biol. Vols.

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- CHENG, DR. MEI FANG, b. Taiwan, Nov. 24, 38; m. 63; c. 3. ANIMAL BE-HAVIOR. B.S, Taiwan, 58; Fulbright scholar, Oregon & Bryn Mawr Col, 59-63; M.A, Oregon, 61; Ph.D. (psychol), Bryn Mawr Col, 65. Res. assoc. neuro-physiol. psychol, Den, psychol, 200; Bryn Mawr Col, 65. Res. assoc. neuro-physiol. psychol, 100; psychol, 100;
- CHENG, DR. RONALD YE-LIN, b. Shanghai, China, May 27, 33; m. 63; c. 1. SOCIOLOGY. B.Sc. London, 60; M.A., Hong Kong, 63; Ph.D.(sociol), California, Berkeley, 69. ASST. PROF. SOCIOL, HAWAII, 69-Sociol. Asn; Asn. Asian Studies. Total transformation of society in comparative-historical perspective; formulation of systematic theory of value-oriented political revolution. Address: Dept. of Sociology, University of Hawaii, Honolulu, Hawaii 96622.
- CHERNICK, DR. SIDNEY EARL. Economics. See A-K Vol, 11th ed, Soc. & Behav, Vols. New position & address: Economist, 69-, International Bank for Reconstruction & Development, 1818 H St. N.W, Washington, D.C. 20433

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- CHESKY, EDWARD J(OSEPH). Economics, International Affairs. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Adv, Off. U.S. Rep. to UN Indust. Develop. Orgn, 69- Address: American Embassy, Vienna, Austria.
- CHEW H(ARRY) RICHARD. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1610 N. Greenbrier St, Arlington, Va. 22205.
- CHIAO, DR. CHIEN, b. Taiyuan, Shansi, China, Mar. 19, 34; m. 66; c. 1.
 ANTHROPOLOGY. B.A, Taiwan, 58, M.A, 61; Ph.D. (anthrop), Cornell, 69,
 Lectr. ANTHROP, INDIANA, BLOOMINGTON, 66-69, ASST. PROF, 69-Vis,
 lectr, Summer Asian Inst, Hofstra, 67. Fel. Anthrop. Asn; Asn. Asian Studles. Cultural anthropology; culture transmission and change; complex
 societies; East Asia, especially China; North America, particularly the
 Navajo. Publ: Co-auth, A first course in Literary Chinese (3 vols), Cornell,
 68; auth, Report on flexed burials of Formosan Aborigines, Bull. Dept.
 Archael. & Anthrop, Taiwan Univ., 60 & Shuo Tsu Shih, Continent J, 60. Address: Dept. of Anthropology, Indiana University, Bloomington, Ind. 47401.
- CHIAZZE, DR. LEONARD, JR. Biostatistics, Epidemiology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. prof. community med. & int. health, 68-, & dir. cerebrovasc. disease follow-up & surveillance syst, 68-71, Georgetown University School of Medicine, 3900 Reservoir Rd, Washington, D. C. 2007.
- CHIH, DR. YU-JU. Chinese Language, Political Science. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.
- CHILCOTE, DR. RONALD HODELL. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. 69-, Dept. of Political Science, University of California, Riverside, Calif. 92502.
- CHILD, PROF. ARTHUR (HENRY). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- CHILDERS, DR. PERRY R, b. Monticello, Ky, July 17, 32; m. 57; c. 3. PSY-CHOLOGY, EDUCATION. B.A, Kentucky, 58; M.A, Georgia, 61, Ed.D. (ed. psychol), 63. Coach & teacher, pub. schs, Ky, 58-59; dir. guid. serv, Mo. 59-61; asst. prof. counseling psychol, Kentucky, 63-65; counseling psychologist, Rohrer, Hibber & Replogle, 65-66; ASSOC. PROF. psychol, Jacksonville, 65; counseling psychol. Florida, 66-67; psychol, Eastern Kentucky, 67-68, ED. PSYCHOL, WISCONSIN-MILWAUKEE, 68- Consult, Stockham Valve & Fittings, Ala, 65-66; Law Eng. Co., 63, 65-67; ASSOC. Psychol. Serv, D.C., 67-; Nicolet High Sch, Glendale, Wis, 69-, Fox Point-Bayside Pub. Schs, Milwaukee, 70- U.S.A, 50-52. Psychol. Asn; Ed. Res. Asn. Learning; test development; behavior change; social and group dynamics; psychotherapy; personal evaluation. Publ. Concurrent validity of Peabody picture vocabulary test, J. Ed. Res, 5/67; Effect of detailed guidance on freshman English composition, summer 70 & Listening ability in a modifiable skill, fall 70, J. Exp. Ed. Address: 4136 Morris Blvd, Milwaukee, Wis. 53211.
- CHILDS, DR. GERALD LEE, b. Brooklyn, N.Y, Feb. 21, 38; m. 61; c. 3. ECO-NOMICS. B.B.A, City Univ. New York, 59; Ford Found. fel, Mass. Inst. Tech, 61, Ph.D. lecon), 63. Staff economist, Center Naval Anal, 62-64; asst. prof. ECON, Dartmouth Col, 64-68, ASSOC. PROF, 68-69; RUTGERS, 69-Brookings fel, Brookings Inst, 66-67. Econ. Ass.; Economet. Soc. Microeconomic theory; applied econometrics. Publ: Unfilled orders and inventories, North-Holland, 67; co-auth, Fast second and rivalry in research and development, South. Econ. J., 7/69; auth, Efficient reallocation of land in urban renewal, West. Econ. J., 9/69. Address: Dept. of Economics, Rutgers, The State University, New Brunswick, N.J. 08903.
- CHINETTI, DR. PETER J, b. Torrington, Conn, Jan. 19, 30; m. 55; c. 3. PSYCHOLOGY. A.B, Brown, 51, Sc. M., 53; Ph.D. (psychol), Wisconsin, 57. Res. psychologists, acro med. Lab, Wright Patterson Air Force Base, Ohio, 56-58; personnel psychologist, Oscar Mayer & Co., Wis, 58-63; registr. & dir. admissions, Wisconsin-Milwaukee, 63-68; CONSULT, BEHAV. SCI, FRY CONSULT, BEHAV. SCI, FRY CONSULT, INC, 68- Lectr, exten. div, dept. commerce, Wisconsin-Milwaukee, 64-68; inst. Indust. rels. Loyola III, 98-merce, Wisconsin-Milwaukee, 66-68; inst. Indust. rels. Loyola III, 98-merce, Psychol. Ann Perception organizational Achavior. Address Pry Consultants. Inc, 10 S. Riverside Plaza, Suite 100, Chicago, 111. 60668.
- CHINN, DR. RALPH McCALLEY. Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Route 1, Hearn Rd, Ellenwood, Ga. 30049.
- CHINSKY, DR. JACK M, b. Newark, N.J., Mar. 2, 43; m. 66. CLINICAL PSY-CHOLOGY. B.A, Rutgers, 64; Ph.D. (psychol), Rochester, 59. ASST. PROF. CLIN. PSYCHOL, CONNECTICUT, 68. Cattell Fund award, 69; summer res. fel, Connecticut, 69. Psychol Asn. Community psychology; use of nonprofessionals in mental health; behavioral assessment. Publ: Co-auth, Attitude change in college students and chronic patients: a dual perspective, 70 & Behavior ratings of chronic hospitalized patients: cross-situational and cross-rater agreement, 70, J. Consult. & Clin. Psychol. & Brief critique of the meaning of a reliability of accurate empathy ratings, Psychol. Bull, 70. Address: Dept. of Psychology, University of Connecticut, Storrs, Conn. 06268.
- CHIPMAN, ROBERT DAVIS. Engineering, Management. See 12th ed, Phys. & Biol. Vols.

- CHO, DR. CHANG H, b. I-Yang, Korea, Oct. 9, 35; m. 69. POLITICAL SCI-ENCE, PUBLIC ADMINISTRATION. B.A, Yonsei, 58; M.A, American Univ, 63; D.P.A, George Washington, 66. Teaching fel. pub. admin, George Washington, 66-68; ASSOC. PROF. POLIT. SCI, PEMBROKE STATE, 68. Consuit, Res. Anal. Corp., 68-69. Polit. Sci. Asp. Soc. Pub. Admin. Administrative theory; organization behavior; comparative administration; bureaucracy; politics of modernization. Publ: Foreign policy of the Republic of Korea, Pembroke State Univ, 70. Address: Route 2, Box 17, Pembroke, N.C. 28372.
- CHO, DR. JAE H, b. Chunnam, Korea, Mar. 15, 30; m. 58; c. 3. ECONOMICS.
 A.B, Lafayette Col, 58; M.A, Indiana, 60, Ph.D.(econ), 64. ASSOC. PROF.
 ccon, Wis. State, Platteville, 62-65; FINANCE & BUS. ECON, NOTRE
 DAME, 65- Econ. Asn. Agr. Econ. Asn. International trade and investment.
 Publ: Modernization effect upon export of agricultural produce, Am. J. Agr.
 Econ, Z/70. Address: Dept. of Finance & Business Economics, University
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- CHO, DR. SUNG TAI, b. Seoul, Korea, July 13, 36; m. 66; c. 2. SOCIOLOGY. B.A, California, Berkeley, 60; M.S, Mich. State, 64; Ohio Res. Found. grant, Ohio State, 65-66, Ph.D. (soctol), 67. Asst. SOCIOL, Ohio State, 62-65; instr. TOLEDO, 66-67, ASST. PROF, 67- Res. asst. psychol, Columbus Psychiat. Inst. & Hosp, Ohio, 63. Sociol. Asp. Law & Society Asn. Criminology and victimology; deviance; sociology of law, symbolic interactionism; experimental design. Address: Dept. of Sociology & Anthropology College of Arts & Sciences, University of Toledo, Toledo, Ohio 43606.
- CHO, DR. YONG HYO. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. urban studies & polit. sci, Akron, 69-Adress: Center for Urban Studies, University of Akron, Akron, Ohio 44304.
- CHO, DR. YONG SAM. Economics. See 11th ed, Soc. & Behav. Vols, deceased 69.
- CHOATE, DR. W. CLAY. Electrical & Chemical Engineering. See Suppl. VI to 11th ed, Phys. & Bicl. Vols.
- CHOI, DR. KYOU EUN, b. Wonju, Korea, Oct. 31, 31; m. 67; c. 2. ECONOMICS, OPERATIONS RESEARCH. B.A. Korea Univ, 59; M.A. Florida, 61, Ph.D. (econ, statist), 64; Columbia, 68-70. Asst. prof. ECON, La. State, New Orleans, 64-67; ASSOC. PROF, BRIDGEPORT, 67-, DIR. QUANT. ANAL, 68-Consult, Am. Res. Coun, Inc. Rye, N.Y, 67-69. Korean Army, 56, Capt. Econ. Asn; Opers. Res. Soc. Am; Statist. Asn; Economet. Soc; Finance Asn. Application of operations research techniques and econometrics to economic forecasting and planning. Publ. Seasonal variations in Louisiana employment & Trends in Louisiana employment, Div. Econ. Res, La. State Univ, 67. Address; 5 Camelot Dr. Trumbull, Conn. 06611.
- CHOI, DR. NUNG WON. Epidemiology, Oncology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- CHOPRA, DR. DHARAM-VIR. Statistics, Mathematics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- CHORNESS, DR. MAURY H. b. Lynn, Mass, Apr. 6, 19; m. 53; c. 4. EDUCATIONAL PSYCHOLOGY, PSYCHOLOGY. B.S. Boston, 47; M.A., California, Berkeley, 50; Ph.D.(ed. psychol), Texas, Austin, 59. Res. psychologist, U.S. Air Force, 51-55, ed. specialist, training develop. & res, 56-59; SR RES. ENG, N.AM. ROCKWELL CORP, 60. Eng. psychol. specialist, Lock-heed Space Systs. Div, 61-63; sr. res. psychologist, Stanford Res. Inst, 64. U.S.A.F, 41-46, Maj. Psychol. Asn. Human performance measurement and effectiveness in large-scale systems; creativity and problem-solving; operations analysis; educational research. Publ: Co-auth, Decision processes and infor mation needs in education, 69 & Feasibility of establishing highway safety manpower development centers at university level institutions, 69, Stanford Res. Inst; auth, Increasing creativity in problem-solving groups, 4, Commun, 8: 16-23. Address: 461 Traverso Ave, Los Altos, Calif. 94022.
- CHOU, PROF. SHUN-HSIN. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also acting chum, 70-, Dept. of Economics, University of Pittsburgh, Pa. 15213.
- CHOU, DR. VICTOR. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Lectr, 69-, School of Business Administration, University of Wisconsin, Milwaukee, Wis. 53201.
- CHOVAN, DR. WILLIAM I., b. Massillon, Ohio, July 25, 28; m. 54; c. 1. ED-UCATIONAL PSYCHOLOGY. B.S, Ohio, 53; M.S. Akron, 57; univ. grant, Western Reserve, 60, Cuyahoga Asn. Retarded Children & Adults grant, 65-66, Ph.D.(ed. psychol), Case Western Reserve, 69 Teacher & supvr. testing, remedial & testing prog, North Industry, Ohio, 53-55; sch. psychologist, Cleveland Bd. Ed, 57-61; Cuyahoga County Bd. Ed, 61-64, chief sch. psychologist, 64-67; lectr, sch. psychol. prog, Case Western Reserve, 66-68; ASSOC. PROF, PSYCHOL, WESTERN CAROLINA, 99- U.S. OH. Ed. consult, Standord Res. Inst, 69-70. U.S., 46-48. AAAS; Psychol. Asn; Int. Soc. Study Symbols. Language and learning disabilities; psychodiagnostic evaluations and individual counseling; school and educational psychology; psycholinguistic research and cognitive functioning. Publ.: Toward an identity for school psychologists, 4m. Psychologist, 67; Some questions and imperatives concerning the territories of the school psychologist, 68 co-auth, The performance of two culturally divergent groups of children on a culture free test, 70, J. Sch. Psychol. Address: Dept. of Psychology, Western Carolina University, Cullowhee, N.C. 28723.
- CHRISTAKIS, DR. ALEXANDER, b. Athens, Greece, Sept. 19, 37; m. 61; c. 3. SYSTEMS ANALYSIS. A.B. Princeton, 59; M.S. Yale, 61, Ph. D. (physics), 64. Res. assoc. physics, Yale, 64-65; consult, Doxidid Associates, Ltd. 65-67, DIR. RES, DOXIADIS-SYST. DEVELOP. CORP, 67-Greek Army, 65-67. Phys. Soc; Asn. Comput. Mach, Economet. Soc. Application of systems methodology to urban problems; analysis of economic and demographic data at the national scale. Publ: Co-auth, Social indicators in

perspective, Syst. Develop. Corp, 7/69 & Systems approach to public policy estimation, Socio-econ. Planning Sci. J, 10/69. Address: 3900 Huntington St. N.W., Washington, D. C. 20015.

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CHRISTENSEN, ROBERT LAWRENCE. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. agr. & food econ, Massachusetts, Amherst, 68-Address: North Main St, Sunderland, Mass. 01375.

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CHRISTIAN, DR. CHESTER C, JR. Spanish, Sociology. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.

CHRISTIANSEN, DR. RUDOLPH A, b. Wittenberg, Wis, Oct. 2, 10; m. 37; c. 1. AGRICULTURAL ECONOMICS. B.S, Wisconsin State, River Falls, 33; M.S, Wisconsin, Madison, 54, Ph.D. (farm mgt, agr. econ), 56. Farm mgt, specialist, Wis. Emergency Relief Admin, Resettlement Admin, Farm Security, Admin, Fed. Housing Admin, 34-51; AGR. ECONOMIST, farm prod. econ. div, ECON. RES. SERV, U.S. DEPT. AGR, 57-66, NATURAL RESOURCE ECON. DIV, 66- U.S.N, 43-46, Lt.(g). Agr. Econ. Asn, 501 Conserv. Soc. Am. Economics of conservation; agricultural credit; recreation resources. Publ: Co-auth, Potential crop and livestock production and net farm income on dominant soils in northwest Wisconsin, 5/60, Bank credit for agriculture in Wisconsin, 6/62 & Economic aspects of privately owned fishing enterprises in Wisconsin, 6/69, Univ. Wis. Address: University of Wisconsin, 4601 Hammersley Rd, Madison, Wis. 53711.

CHRISTIANSEN, PROF. TED, b. Chicago, Ill, Sept. 6, 22; m. 51; c. 1. PSY-CHOLOGY, SPECIAL EDUCATION. B.S. New Mexico, 51, M.A. 59; State of N. Mex. fel, Utah State, 64-66, P.N. (psychol), 66. Teacher & counsr, pub. schs, N. Mex, 52-64; asst. prof. SPEC. ED, New Mexico Highlands, 66-67; New Mexico, 67-69; PROF. & HEAD DEPT, MADISON COL, 69- Spec. ed. consult, pub. schs, Las Vegas, N. Mex, 66-67. Mem, Gov. Task Force Teacher Ed, N. Mex, 66-68, Gov. Task Force Voc. Rehab. Ment. Retarded, 68-69, Psychol. Asn; Asn. Ment. Deficiency; Coun. Except. Children. Exceptional children, especially mediation studies, learning styles, visual imagery and stimulus deprivation. Publ: Co-auth, Visual imagery and level of mediator abstractness in induced mediation paradigms, Perceptual & Motor Skills, 26: 775-779; auth, Visual imagery as a factor in teaching elaborative language to retarded children, Except. Children, 35: 539-541 & Sex and level of mediator abstractness as variables in mediate association, Psychonomic Sci, 14: 160. Address: Dept. of Special Education, Madison College, Harrisonburg, Va. 22801.

CHRISTIE, DR. ROBERTA. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. guid. & counseling, 69-, School of Education, Loyola University of Chicago, 820 N. Michigan Ave, Chicago, Ill. 60611.

CHRISTINA (SCHWARTZ), SISTER M, I.H.M, b. Grand Rapids, Mich, July 23, 07. SOCIOLOGY. A.B, Marygrove Col, 30; Nat. Cath. Sch. Social Serv, 31-32; Ph.D., Catholic Univ, 38; summer, Uppsala, 64. Soc. worker, dept. pub. welfare, Detroit, Mich, 30-31; Montgomery County Soc. Serv. League, Md, 31-32; teacher, high sch, 34-35; instr. SOCIOL, MARYGROWE COL, 38-42, asst. prof, 42-44, PROF. & HEAD DEPT, 44- Del, Coun. Soc. Work Ed, 57- Participant, Inst. Soc. Work, Con. Soc. Work Ed, 62. Childrens Bur, Seattle, Wash, 67. Nat. Asn. Soc. Workers. Religious vocations; the American Catholic Jamily. Publ. Social contribution of the Catholic Online in France, 1815-1870. Address: Dept. of Sociology, Marygrove College, Detroit, Mich. 48221.

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CHRISTOPHER, DR. STEVEN B, b. Zanesville, Ohio, July 23, 41; m. 64; c. 1. ANIMAL BEHAVIOR, ZOOLOGY. B.S., Ohio, 63; M.S., Cincinnati, 66; Ph.D.

(zool, psychol), Pa. State, 69. ASST. PROF. PSYCHOL, EAST. WASH. STATE COL, 69. AAAS; Soc. Zool; Animal Behav. Soc; Int. Soc. Develop. Psychobiol. Ontogeny of avian and primate social behavior; animal communication; fillal and mating bonds; social deprivation; behavioral ecology. Publ: Co-auth, Specificity of visual imprinting in domestic turkeys, 68 & auth, Effects of age and experience on imprinting in turkeys and chickens, 69, Am. Zoologist. Address; Dept. of Psychology, Eastern Washington State College, Cheney, Wash. 99004.

CHU, DR. HSIEN-JEN, b. Nanking, China, June 6, 30; m. 63; c. 2. SOCIOL-OGY, DEMOGRAPHY. B.A, Chung Hsing Univ, Talwan, 58; M.A., Fisk, 62; Vanderbili, 62-63; Ph.O. (sociol.), Florida, 66. Asst. prof. SOCIOL, Bradley, 66-69; ASSOC. PROF. STATE UNIV. N.Y. COL. OSWEGO, 69. Sociol. Asn. Pop. Asn. Am; fel. China Acad. Migration and cross-cultural studies of the family. Publ: Co-auth, A cross-cultural study of the relationships between family types and social stratification, 5/69 & auth, A note to utilizing Murdock's ethnographic survey materials for cross-cultural family research, 5/69, J. Marriage & Family; The redistribution of the population in Talwan. Ann. Meeting Pop. Asn. Am, 4/70. Address: Dept. of Sociology & Anthropology, State University of New York College at Oswego, Oswego, N.Y. 13126.

CHU, DR. SOLOMON S. P., b. Hong Kong, Nov. 11, 37; m. 68. SOCIOLOGY. B.A, Hong Kong, 59; M.A, Michigan, 63, Ph.D. (sociol), 69. Res. asst. pop. res. Michigan, 62-66; lectr. SOCIOL, STATE UNIV. N.Y. BUFFALO, 66-69, ASST. PROF, 69- Sociol. Asn; Psychol. Asn; Pop. Asn. Am. Population and human ecology; socio-economic correlates of fertility; family functions and structure. Address: Dept. of Sociology, State University of New York at Buffalo, Buffalo, N.Y. 14214.

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CHUMBLEY, DR. JAMES IVYL, b. Des Moines, Iowa, Oct. 31, 38; m. 60; c. 4. PSYCHOLOGY. A. B, Drake, 60; M.S.Ed, Indiana, 63, U.S. Pub. Health Serv. fel. & Ph.D. (b.sychol), 67. ASST. PROF. PSYCHOL. MASSACHUSETTS, AM-HERST, 67- Psychol. Asn. Mathematical psychology; human learning; problem solving. Address: Dept. of Psychology, University of Massachusetts, Amherst, Mass. 01002.

CHUNG, DR. KAE HOON, b. Seoul, Korea, Jan. 26, 37; m. 59; c. 2. BUSINESS ADMINISTRATION. B. A, Seoul, 59; M. B. A, La. State, 65, fel, 67, Ph. D. (mgt), 68. Asst. prof. MGT, NORTHERN ILLINOIS, 67-68, ASSOC. PROF. 68-, faculty res. grants, 68-70, cacd res, 69. Acad. Mgt. Inst. Decision Sci. Human behavior in organizations, motivation and performance; organizational behavior; operations research and management. Publ. 4 Markov chain model of human needs: an extension of Naslow's need theory. Acad. Mgt. J. 6, 69; Toward a general theory of motivation and performance. Calif. Mgt. Rev. spring 69; Computer simulation of a queueing system, J. Prod. & Inventory Mgt, 69 & Indust. Mgt, 9,69. Address: 1314 Suburban Apt, DeKalb. III. 60115.

CHURBA, PROF. JOSEPH. International Relations, Middle East Studies. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

CHURCHILL, DR. DON W, b. Seattle, Wash, Feb. 5, 30; m. 55; c. 3. PSY-CHIATRY. B.S., Lawrence Col, 51; M.S., Wisconsin, 56, M.D., 57. Instr. path, Wisconsin, 35-36; intern, King County Hosp, Seattle, Wash, 57-55; res. psychiat, Cincinnati, Gen. Hosp, 38-60, fel. child psychiat, 60-62; asst. prof. PSYCHIAT, MED. CENTER, INDIANA, INDIANAPOLIS, 64-68, ASSOC. PROF, 68-Consult, Ind. Boys' Sch, 64-69; Ind. 56-h, for Deat, 69-70. Dipl. psychiat, Am. Bd. Psychiat. & Neurol, 63, child psychiat, 66. U.S.N.R, 62-64, Lt. Comdr. AAAS; Psychiat. Asn. Pathology of connective tissue and histochemistry of mucopolysaccharides; childhood psychosis; language development and its relation to performance and cognitive levels; relationship of success-failure level to affect, mood and specific behavioral measures. Publ: Co-auth, Infantile autism: proceedings of the Indiana University colloquium, C.C. Thomas, 70; Identification of perceptual limitations in mute autistic children, Arch. Gen. Psychiat, 21: 68-71; auth, Psychotic children and behavior modification, Am. J. Psychiat, 125: 1585-1590. Address: 1315 W. Tenth St., Indianapolis, Ind. 48202.

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- CIAVARELLA, PROF. MICHAEL ANTHONY, b. Altoona, Pa, May 26, 29; m. 59; c. 2. COUNSELING, GUIDANCE. B.S. Pa. State, 56, M.Ed. 58, D.Ed, 53. Teacher, high sch, Pa, 56-59; dir. guid, Upper Dauphin High Sch, Pa, 59-62; Col. counsr, Lehigh, 63-64; PROF. ED. & PSYCHOL, SHIPPENBURG. STATE COL. 64. U.S.A., 50-52, 8/5gt. Personnel & Guid. Asn, Nat. Voc. Guid. Asn. Career development; vocational appraisal. Publ. The counselor as a participant in minimizing curricular frustrations, Counsr. Ed. & Supv, 1/68; Misconceptions about psychology and psychologists among senior high school students, Col. Rev. J. 9, 69; Manifestations of teacher maladjustment in the classroom, Pa. Sch. J, (in press). Address: Dept. of Education & Psychology, Shippensburg State College, Shippensburg, Pa. 17257.
- CICAK, DR. FEDOR I(VAN), b. Pozega, Yugoslavia, June 17, 16; U.S. citizen; m. 41; c. 5. POLITICAL SCIENCE, LAW. Dr. Jur, Zagreb, 40; M.A. Indiana, Bloomington, 56, Ph. D. [Joblit sci), 65. Docent polit. anal, Saarlandes, 49-50; res. asst, inst. E. European Studies, Indiana, 51-52, asst. librn. for collection, law sch, 54-59; resident lectr. POLIT. SCI, INDIANA NORTH-WEST, 59-65, ASST. PROF, 65-, ASST. CHMN. DEPT. GOVT, 58- Polit. Sci. Asn. Modern political ideologies; systems of social control; political parties and pressure groups; social engineering. Publ. Catalog of source materials, Part II, 52 & co-auth, Collectivization as a basic vulnerability of Yugoslavia, 52, Ind. Univ. Address; 208 E. Seventh 8t, Hobart, Ind. 46342.
- CICCHETTI, DR. CHARLES JOSEPH, b. Jersey City, N.J. July 31, 43; m. 63; c. 2. ECONOMICS, ECONOMETRICS. A.B. Colo. Col. 65; Ph.D. (econ), Rutgers, 69. Head night auditor, Broadmoor Hotel, 64-65; res. asst. econ, Rutgers, 66-68; instr., Rutgers Col., 68-69; RES. ASSOC, ECON. RES, RESOURCES FOR FUTURE, WASH, D.C., 69. Consult, Nett Union, inc., 66-69; consult, for Appalachian Regional Cmn. & State of N.Y, R.R. Nathan Assoc, 68-69; consult, for State of Hawati, Mathematica, inc, 69. U.S.A.F, 61-67. Econ. Assr., Economet. Soc. Econometric research in the area of natural resources and environmental quality. Publ: Co-auth, User response in outdoor recreation: a production analysis, J. Leisure Res, winter 69 & The demand and supply of outdoor recreation, U.S. Dept. Interior, 6/69, Address: 8206 Custer Rd, Bethesda, Md. 20034.
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- CIEPLAK, DR. TADEUSZ N(OWAK), b. Tarnopol, Poland, Oct. 7, 18; U.S. citizen, m. 48. POLITICAL SCIENCE, COMPARATIVE GOVERNMENTS. B. A. J. Slowacki Lyceum, Tarnopol, Poland, 36; Lwow & Warsaw Univs, 36-39; B.C.L., Oxford, 46; LL.M., McGill, 55, Ph.D. (polit. theory), 62. Asst., prof. int. rels, San Francisco State Col, 61-63; polit. sci, Pa. State, 63-64, polit. sci. & hist, Aliance Col, 64-65; ST. J.GHN'S N.Y), 65-69, ASSOC. PROF. POLIT. SCI, 69- Mem, Pres. Adv. Coun. on Humanities & Prinl. Res, summer 69. Polit. Sci. Asn. San. Adv. Slavic Stud. General politics in Poland; the role and function of the non-Communist parties in Poland since 1956; the contribution of Petrazycki's sociological school of law to the general science of law. Publ: Poland since 1956, Twayne, 70; Ups and downs in Polish agriculture, World Agr., 7/58. Address: Dept. of Political Science, St. John's University, Jamaica, N.Y. 11432.
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- CLARK, PROF. ANDREW HILL. Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New publ: Acadia: the geography of early Nova Scotia to 1760, Univ. Wisconsin, 68. Address: Dept. of Geography, University of Wisconsin, Madison, Wis. 53705.
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- CLARK, DR. CAROLYN, b. San Antonio, Tex, May 11, 41. ECONOMICS. A.B, Wellesley Col, 63; M.A, California, Berkeley, 67, Ph.D.(econ), 70. ASST. PROF. ECON, BRITISH COLUMBIA, 67- Am. Econ. Asn. Can. Econ. Asn. Monetary theory and policy: the demand for money and related areas. Publ: Co-ed, Canadian readings in money and banking, Prentice-Hall, Can, (in press). Address: Dept. of Economics, University of British Columbia, Vancouver 8, B.C, Can.
- CLARK, DENNIS. Modern History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- CLARK, DR. HERBERT H(ORACE). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Psychology, Stanford University, Stanford, Calif. 94305.
- CLARK, DR. HERBERT JAMES. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chief, operator training br, 68-, Air Force Human Resources Lab. (HRTO), Wright Patterson Air Force Base, Ohio 45433.
- CLARK, PROF. JAMES RATCLIFFE. Education, Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- CLARK, DR. JOHN P. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. 68-, Dept. of Sociology, University of Minnesota, Minneapolis, Minn. 55455.
- CLARK, PROF. PAUL G(ORDON). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. econ. & chm., 69-, Center for Development Economics, Williams College, Williamstown, Mass. 01287.
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- 63. Asst. prof. PSYCHOL, OHIO STATE, 63-66, ASSOC. PROF, 66- Burke Aaron Hinsdale scholar, Michigan, 63-64. Consult. ed, series in psychol. & human develop, McGraw-Hill Book Co, 66-; consult, U.S. Off. Econ. Opportunity, 67- U.S.A.F, 51-53, Res, 1st Ll. Psychol. Asn, Soc. Res. Child Develop; Ed. Res. Asn, Nat. Coun. Measurement in Ed. Developmental and educational psychology; cognitive styles; individual differences; creativity. Address: Dept. of Psychology, Ohio State University, 1945 N. High St, Columbus, Ohio 43210.
- CLARK, DR. PRISCILLA P(ARKHURST). French Literature, Sociology of Literature. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.
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 CLAUSEN, DR. GERALDINE TATE, b. Rodney, Miss, July 26, 34; m. c. SO-CIAL PSYCHOLOGY. B.A. Maryland, 55, M.A., 57; Ford Found, fel, Mithlegan, 61-65, Nat. Inst. Ment. Health de! 63. 65, Ph. Loco, psychol, 65. Res. course, 7 as asst. to dean, Ohio State, 57-59; asst. study dir. Inst. soc. res, Michigan, 60-65, lectr. psychol, 66; U.S. Dept. Health, Ed. & Welfare fel, res. & develop, center, WISCONSIN, MADISON, 66-67; RES. ASSOC. SOCIAL & DIR. RES. COPING PROJ. 67- Rackham res. grant, Michigan, 65; lectr. Gothenburg, 69; Appl. Behav. Sci. Intern fel, summer 67- Asn. Pab. Opinion Res; Ed. Res. Asn. Psychol. Asn; Sociol. Asn; Soc. Psychol. Study Social Issues. Investigation of post hospital functioning of mental patients and study factors precipitating return to hospital; small groups research and therapeutic innovations and alternative support structures for behavioral change. Publ: Co-auth, Responsibility, norms and helping in an emergency, J. Personality & Soc. Psychol, 70. Address: Dept. of Sociology, Social Science Bidg, 1180 Observatory Dr., Madison, Wis. 53706.
- CLAYTON, DR. ELIZABETH MYERS, b. Pueblo, Colo, May 8, 31; div; c. 1. ECONOMICS. B.A, Washington (Seattle), 53, M.A, 66, Ph.D.(econ), 68. ASST. PROF. ECON. MISSOURI-ST. LOUIS, 68- Econ. Asn., Asn. Study

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- CLAYTON, DR. JAMES L. Economic & Legal History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- CLEARY, 'DR. THERESA ANNE, b. Shanghai, China, Dec. 12, 35; U.S. citizen. EDUCATIONAL PSYCHOLOGY. B.S., Marquette, 58; U.S. Pub. Health Serv. trainee, Minnesota, Minneapolis, 58-60, M.A., 66; U.S. Pub. Health Serv. trainee, Hillinois, Urbana, 62-64, Ph.D. (psychol), 64. Res. asst, Minnesota, Minneapolis, 58-99; res. asst. & statistician, Ed. Testing Serv, 60-62, from assoc. res. psychologist to res. psychologist, 64-66; teaching asst, Illinois, Urbana, 63-64; ASSOC. PROF. ED. PSYCHOL, WISCONSIN, MADI-SON, 66- Ed. Res. Asn; Psychol. Asn; Statist. Asn; Nat. Coun. Measurement in Ed; Psychomet. Soc. Psychological measurement; minority groups. Publ: Test bias: prediction of college grades for Negro and White students in integrated colleges, J. Ed. Measurement, 5: 115-124; co-auth, Development and evaluation of several programmed testing methods, Ed. & Psychol. Measurement, 29: 129-146 & The effect of reliability and validity on the power of a statistical test, Sociol. Methodology, 70. Address: 938 W. Johnson St, Madison, Wis. 53706.
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- CLEVENGER, HORACE M(ARSHALL). Economics, Statistics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Opers. res. analyst, U.S. Army Mobility Equip. Command, St. Louis, 69- Address: 21 Almeda Place, Ferguson, Mo. 63135.
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- CLEVENGER, DR. THOMAS S, b. Eugene, Ore, Oct. 9, 40; m. 61; c. 2. AGRICULTURAL ECONOMICS. B.S., Oregon State, 62, M.S., 64; Ph.D.(agr. econ), Mich. State, 68. ASST. PROF. AGR. ECON, NEW MEXICO STATE, 68- Econ. Asn.; Agr. Econ. Asn. Agricultural and food marketing; agricultural policy. Publ. Price prediction equations for Michigan cooperative celery, 69 & co-auth, Group action in the Michigan celery industry; a case history of the Michigan Celery Promotion Cooperative, 69, Mich. State Univ. & Mill utilization of western cotton, 64-65, N. Mex. State Univ. 69. Address: Dept. of Agricultural Economics & Agricultural Eusiness, P.O. Box 3169, New Mexico State University, Las Cruces, N.Mex. 88001.

- CLIFFORD, DR. EDWARD. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 2535 Sevier St, Durham, N.C. 27705.
- CLIFFORD, PROF. PAUL I(NGRAHAM). Educational Psychology. See A. K Vol, 11th ed, Soc. & Behav. Vols. New position: Staff psychologist, v.pres. & mem. bd. dirs, Am. Mgt. Psychologists, Inc, 69- Address: 859 Woodmere Dr. N.W. Atlanta, Ga. 30318.
- CLIFFORD, DR. WILLIAM BRAMWELL, II, b. Pittsburgh, Pa, Feb. 20, 41; m. 60; c. 2. SOCIOLOGY, DEMOGRAPHY. B.S. Grove City Col, 63; M.A. West Virginia, 65; Nat. Inst. Ment. Health trainee, Kentucky, 66-67, Nat. Defense Ed. Act summer fel, 67, Ph.D. (sociol), 69. Lectr. sociol, Kentucky, 67-68; inst., N.C. STATE, 68-69, ASST. PROF. SOCIOL. & DEMOG. 69-Sociol. Asn; Pop. Asn. Am. Social demography, particularly differential fertility behavior in family size preferences, contraceptive effectivenees and actual fertility. Publ: Co-auth, Rural industrialization: a case study in educational values and attitudes, West Virginia Univ. Agr. Exp. Sta, 66 & Mountain families in poverty, Univ. Kentucky Agr. Exp. Sta, 67. Address: Dept. of Sociology & Anthropology, North Carolina State University, Raleigh, N.C. 27697.
- CLIFTON, DR. C(HESTER) STANLEY. Social Work. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Sociology, Angelo State University, San Angelo, Tex. 7801.
- CLINE, DR. DENZEL C(ECIL). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof. econ, Mich. State, 69-, Address: 134 Kensington Rd, East Lansing, Mich. 48823.
- CLINE, DEAN ROBERT S, b. Endicott, N.Y, Sept. 22, 19; m. 40; c. 1. BUSINESS ADMINISTRATION, INSURANCE. B.S. Syracuse, 48, Found, Econ. Ed. fel, & M.B.A. 49; S.S. Huebner Found, fel, Pennsylvania, 51-54, Ph.D. (Ins.), 55; C.L.U, Am. Col. Life Underwriters, 57; C.P.C.U, Am. Inst. Property & Liability Underwriters, 57. Prod. contol, Int. Bus. Mach. Corp. 40; agent, Metrop. Life Ins. Co, 41-42; instr, Syracuse, 48-49; Missouri, 49-51; assoc. prof. ins. 6a. State Col., 55; Florida, 56-63, dir. bus. assoc., 55-69; prof. ins. 6a asst. dean col. bus, 58-66; DEAN COL. BUS, SOUTH FLORIDA, 66-U.S.N, Lt. Risk & Ins. Asn; Econ. Asn; Brit. Chartered Ins. Inst. Publ: Co-auth, Property and liability insurance, Appleton, 68; auth, Maintaining property insurance markets, Annals Chartered Property & Casualty Underwriters, 7/66. Address; College of Business Administration, University of South Florida, Tampa, Fla. 33620.
- CLONTS, DR. HOWARD AUGUSTUS, JR, b. Selma, Ala, July 1, 40; m. 62; c. 2. AGRICULTURAL ECONOMICS. B.S. Auburn, 62, M.S., 63; Arizona, 63-64; Ph.D. (agr. econ), Va. Polytech, 69. Instr. AGR. ECON, Va. Polytech, 64-68; ASST. PROF, AUBURN, 68- Mem. South. Land Econ. Res. Cmi, 68-Agr. Econ. Asn. Land use and development; urbanization; land ownership and control; real estate taxation; land use and valuation; land tenure and agricultural leasing; agricultural policy; economics of natural resource use. Publ: Co-auth, Farming in the national capital region: maximum land values that complement open space, Va. Agr. Exp. Sta. Bull, Va. Polytech. Inst, 6-66; & Real property tax assessment in the rural-urban fringe, Va. Agr. Econ. Exten. Div, Va. Polytech. Inst, 1-3/70; auth, Farm Tenancy and Alabama Law, Ala. Agr. Exp. Sta. Circular, Auburn Univ, 6/70. Address: Dept. of Agricultural Economics, Auburn University, Auburn, Ala. 36830.
- CLOS, DR. MARJORIE CATHERINE, b. Louisville, Ky, June 21, 26; m. 52; c. 2. PSYCHOLOGY, B.S, Louisville, 48, M.A, 50; M.P.H, Minnesota, 58; Ph.D. (psychol), Southern Illinois, 63. Health educator, State Dept. Pub. Health, Ky, 50–52; dir. health ed. Louisville & Jefferson County Health Dept, 54–57; teaching asst. gen. psychol, Southern Illinois, 59; chief ment. health ed, State Dept. Ment. Health, Ky, 60–63; dir. res., Cent. State Hosp, 63–65; psychologist, day hosp, New Orleans Ment. Health Center, La, 65–66; res. coordinator, Head Start, Merrill-Palmer Inst, 66–67; ment. health consult, State Dept. Ment. Health, Mich, 67–68; DIR. PROG. MENT. RETARDATION, CARO STATE HOME & TRAINING SCH, 68– Instr., Univ. Louisville, 54–56; prof., Delta Col, 69 Psychol. Asn. Experimental analysis of behavior; utilization of operant conditioning techniques in treatment of the mentally retarded. Publ: Co-auth, Patients and staff undertake a joint improvement program, Ment. Hosps, 4/64 & free effects of trifluperidol on operant behavior of long-term schizophrenic patients, Current Therapeut. Res, 12/64. Address: Caro State Home & Training School, Lock Box A, Caro, Mich. 46723.
- CLOSE, DR. DARWIN B, b. Millersburg, Ohio, Dec. 24, 25; m. 47; c. 3.
 MANAGEMENT SCIENCE. B.S, Ohio, 46; Western Reserve, 58-62; M.A,
 Pennsylvania, 64, Ph.D. Cecon. risk & ins), 65. Managing partner, R.M.
 Close Ins. Agency, 52-62; asst. prol. MGT. SCI. & RISK & INS, OHIO
 STATE, 65-69, ASSOC. PROF, 69- Address: Faculty of Management Sciences, Ohio State University College of Administrative Science, 1775 S.
 College Rd, Columbus, Ohio 43210.
- CLOSE, DR. FRANCIS ALAN, b. Newark, N.J., Jan. 5, 36; m. 62; c. 2. ECONOMICS. B.S., Fla. State, 61, Nat. Defense Ed. Act fel, 66-68, Ph.D. (econ), 68, M.Sc, Ga. Inst. Tech, 65. Bus. economist, Bur. Labor Statist, U.S. Dept. Labor, 61-63, ASST. PROF. ECON, CLEMSON, 68. Participant, seminar recent develop. appl. econ, grad. sch. bus, Univ. Chicago, summer 69. U.S.A.F., 56-60. Econ. Asn; Asn. Evolutionary Econ. Monetary economics; term structure of interest rates; stability of multiplier and velocity conpetts; relative shares going to labor; economics of scale in higher education Publ: Co-auth, Comparative stability of velocity and the investment multiplier for Austria and Yugoslavia, Slavic Papers, Vol. 3, Fla. State Univ, 69 & Monetary velocity and investment multiplier stability relativity for Norway and Sweden, Statsokonomisk Tidsskrift, 69. Address: Dept. of Economics, Clemson University, Clemson, S.C. 29631.
- CLUBB, DR. JEROME M. American History. See 5th ed, Dir. Am. Scholars, Vol. 1, Hist.
- CLUCAS, GEORGE GORDON. Public Administration, Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Dir. res. & develop,

- Calif. State Polytech. Col, San Luis Obispo, 68- New publ: California cities: comparative finance 1966-67, Sage Publ, 68. Address: 1727 Corralitos, San Luis Obispo, Calif. 93401.
- CLUFF, DR. GORDON L, b. Pima, Ariz, Dec. 13, 34; m. 60; c. 4. SOCIAL & BEHAVIORAL SCIENCE. Fel, Southern Illinois, 59, Ph. D. (speech path. & audiol), 66. Assl. prof. SPEECH PATH. & AUDIOL, ARIZONA STATE, 63-68, ASSOC. PROF, 68. Consult, 63. Speech & Hearing Asn. Psychoacoustics; experimental audiology. Publ: Co-auth, The effect of speech hearing level on speech discrimination in sensorineural hypacusics, 9; 32-34 & auth, A comparison of selected methods of determining speech interference calculated by the articulation index, 9; 81-88, J. Auditory Res. Address: Dept. of Speech, Arizona State University, Tempe, Ariz. 85281.
- CLULOW, DR. FRANK VICTOR. Zoology, Animal Behavior. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- CLUTE, PROF. LAUREN VAN EPS. Industrial Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also acting head, 68-, Dept. of Economics, St. Lawrence University, Canton, N.Y. 1367.
- CLYMAN, DR. B(ERNARD). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. v.pres, Equitable Life Assurance Soc. of U.S, 69- Address: 18 Oaks Hunt Rd, Great Neck, N.Y. 11020.
- CLYMER, PROF. THEODORE W(ILLIAM). Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Elementary Education, University of Minnesotia, Minneapolis, Minn. 5455.
- CNUDDE, DR. CHARLES F, b. Macomb Co, Mich, Feb. 12, 38; m. 61; c. 2. POLITICAL SCIENCE. B.A, Michigan, 69; Ph.D. (polit, sci), North Carolina, 67. Res. asst. POLIT. SCI, inst. res. soc. exi, North Carolina, 63-64, teaching asst, Univ, 64-66; ASST. PROF, California, Irvine, 68-68; WISCONSIN, MADISON, 68-, vis. lectr. summer 67. Calif. election analyst, inst. res. soc. sci, Univ. North Carolina, 68, exec. cmt, Inter-Univ. Consortium for Polit. Res, Ann Arbor, Mich, 68-69. Polit. Sci. Asst; Asn. Pub. Opinion Res. Theories and methods of testing elite-non-elite relationships: Publ: Co-auth, Empirical democratic theory, 69 & auth, Democracy in the American South, 70, Markham; Elite-mass relationships and democratic rules of the game, Am. Behav. Scientist, 69. Address: 2237 Eton Ridge, Madison, Wis. 53705.
- COATE, DR. WILLIAM B(LEECKER). Experimental Psychology. See 12th ed, Phys. & Biol. Vols.
- COATES, DR. NORMAN. Industrial Relations. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Ford Found. vis. prof. bus. admin. Instituto de Estudios Superiores de Administracion, Caracas, Venezuela, 68-also proj. specialist, Latin Am. Prog, Ford Found. Address: c/o Ford Foundation, 320 E. 4374 St, New York, N.Y. 10017.
- COBB, PROF. HENRY V(AN ZANDT). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: V.pres. acad. affairs, 69-, University of South Dakota, Vermillion, S.Dak. 57069.
- COBB, DR. LARRY R(USSELL), b. Clendenin, W.Va, Nov. 7, 38; m. 60; c. 2. POLITICAL SCIENCE. A.B, West Virginia, 61; fel, John Dewey Res. Center, 63-64; M.A, Southern Illinois, 64, Ph.D. (govt), 67. Instr. philos. & soc. sci, Glerville State Col, 64-65; govt, Southern Illinois, 66-67; asst. prof. POLIT. SCI, SLIPPERY ROCK STATE COL, summer 67, ASSOC. PROF, 67-, chmn. dept, 68-70, assoc. dean sch. arts & sci, 69-70. Faculty Affairs Cmt. travel grant, Taiwan, summer 68. Mem. exec. cmt, Pa. Intercollegiate Conf. on Govt, 67-69, Found. Creative Philos, 68-; mem. At. adv, Center Study Creative Interchange, 68-; mem, Regional Coun. Int. Ed, 68- Polit. Sci. Asn. Structure of political change and innovation in Chinese political systems in the twentieth century. Address: Box 82, Harrisville, Pa. 16038.
- COBB, DR. ROGER W. POLITICAL SCIENCE. B.A. Washington, 62; M.A. California, Los Angeles, 64; Ph.D. Goldt. sci.), Northwestern, 67. ASST. PROF. POLIT. SCI. PENNSYLVANIA, 67. Political psychology; empirical theory. Publ: Co-auth, Two levels of community, 70 & Agenda building, 70, Holt. Address: Dept. of Political Science, University of Pennsylvania, Philadelphia, Pa. 19104.
- COBIA, DR. DAVID WOODRUFF, b. Cardston, Alta, Feb. 25, 34; U.S. citizen, m. 61; c. 3. AGRICULTURAL ECONOMICS. B.S. Brigham Young, 66; M.S. Purdue, 63, Ph.D. (agr. econ), 67. ASSOC. PROF. AGR. ECON, N.DAK. STATE, 67- U.S.A, 56-58. Agr. Econ. Ass, Mkt. Ass. Marketing; agribusiness management; cooperatives. Publ: Co-auth, An application of equilibrium size of plant analysis to fluid milk processing and distribution, J. Farm Econ, 2/64 & Mergers and diversified growth of large grain firms, Amer. J. Agr. Econ, 5/89, auth, Economics of agricultural Economics, North Dakota State University, State University Station, Fargo, N. Dak. 58102.
- COBURN, DR. HERBERT H(ENRY). Psychology. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. behav. sci, N.Y. Inst. Tech, 69-Address: 185 West End Ave, New York, N.Y. 10023.
- COCHRAN, PROF. KENDALL P(INNEY). Economics. See A-K Vol., 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Dept. of Economics, North Texas State University, Box 5172 N.T. Station, Denton, Tex. 78203.
- COCHRAN, DR. SAMUEL WARREN, b. Waynesboro, Miss, Aug. 1, 21; m. 45; c. 2. PSYCHOLOGY. B.A, Miss. Col, 47; M.A, George Peabody Col, 48; Ph.D. (exp. psychol), Ohio State, 63. Instr. psychol, Miss. Col, 49-50, asst. prof, 50-51, assoc. prof. PSYCHOL, U.S. Atr Force Acad, 60-68; res. assoc. human factors, Edwards Air Force Base, 59-60; assoc. prof. PSYCHOL, U.S. Air Force Acad, 60-68; res. assoc, Rand Corp, 66-69; ASSOC. PROF. EAST TEXAS STATE, 69-Consult, Rand Corp, 69- U.S.A.F, 40-45, 53-69, Lt. Col. Psychol. Aan. Human factors; experimental design; learning environment; group dynamics.

Publ: Co-auth, Conditioned stimulus flash rate and efficiency of conditioning, J. Comp. & Physiol. Psychol, 60; auth, Rated association values of 251 colors, J. Verbal Learning & Verbal Behaw, 68; co-auth, The Delphi method, II: structure of experiments, Rand Corp, 69. Address: Dept. of Psychology, East Texas State University, Commerce, Tex. 7542.

COCKCROFT, DR. JAMES DONALD. Latin American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

CODY, PROF. JOHN JAMES, b. La Crosse, Wis, June 10, 30; m. 55; c. 4. EDUCATIONAL PSYCHOLOGY. B.S, Wis. State, La Crosse, 56; M.A, Iowa, 59; Ph.D. (counseling), Wisconsin, 61. Asst. prof. counsr. ed, Indiana, Bloomington, 61-65; assoc. prof. ED. PSYCHOL, SOUTHERN ILLINOIS, 65-67, PROF. & CHMN. DEPT, 67- Dir, A Planning Grant Eldorado, III, 66-67. Psychol. Assr, Personnel & Guid. Ass. Counseling outcomes and training procedures; measurement of intelligence. Publ: Co-auth, Educational psychology: a behavioral approach, Merrill, 69; auth, Appraisal of disadvantaged youth, In: Counseling the disadvantaged youth, Prentice-Hall, 68. Address: Dept. of Guidance & Educational Psychology, Southern Illinois University, Carbondale, III. 62901.

COE, PAUL F(RANCIS). Economics, Statistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Spec. asst, housing div, Bur. Census, Wash, D.C, 69- Address: 601 N. Buchanan St, Arlington, Va. 2220.

COE, DR. ROBERT STANFORD. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & head, 69-, Dept. of Business Administration, Angelo State University, San Angelo, Tex. 76901.

COELHO, DR. GEORGE V(ICTOR). Social & Clinical Psychology. See A-K Vol., 11th ed, Soc. & Behav. Vols. New position: Specialist behav. sci, 69-, Office of Assistant Director for Extramural Programs & Behavioral Sciences, National Institute of Mental Health, Barlow Bldg, Room 14 A-01, 5454 Wisconsin Ave, Chevy Chase, Md. 20203.

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COFFMAN, DR. WILLIAM E(UGENE). Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: E.F. Lindquist prof. ed. measurement & dir., lowa testing prog. 69-, University of Iowa, N102 East Hall, Iowa City, Iowa 52240.

COGAN, DR. DENNIS CLARK. Experimental Psychology. See A-K Vol., 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., 69-, Dept. of Psychology, Texas Tech University, Lubbock, Tex. 79407.

COGAN, DR. JOHN JOSEPH, b. Youngstown, Ohio, May 30, 42; m. 63; c. 1. EDUCATION. B.S.Ed, Kent State, 63; M.A., Ohio State, 65, U.S. Off. Ed. fel, 66-67, Ph.D. 69. Teacher pub. schs, Ohio, 63-65; asst. elem. ed., Ohio State, 65-66; acting dir. soc. sci. consortium, Asn. Am. Geographers, 67, dir. proj. II, 67; teaching assoc. ELEM. ED, Ohio State, 68, 48ST. PROP. Wittenberg, 68-69; MINNESOTA, MINNEAPOLIS, 69- Critical thinking; citizenship education; political socialization; values. Address: 101 Burton Hall, University of Minnesota, Minneapolis, Minn. 55455.

COGGESHALL, ROBERT WALDEN. Political Science, Public Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Independent consult, 69- Address: Ballentine, S.C. 29002.

COHEN, DR. BERNARD, b. Suffern, N.Y., Nov. 16, 37; m. 60; c. 4. SOCIOL-OGY, CRIMINOLOGY, B.A, Yeshiva, 59, M.H.L, 61; A.M, Pennsylvania, 64, fel, 66-68, Ph.D. (sociol), 68. Lectr. criminol, Pennsylvania, 66-68; ASST. PROF. SOCIOL, QUEENS COL. (N.Y.) & SOC. SCIENTET, RAND INST, NEW YORK, N.Y, 68- Consult, Dept. Health, Ed. & Welfare, 67-68. Sociol. Asn. Juvenile delinquency; police personnel flow and incentive reward systems. Publ: Co-auth, Crime and race, Inst. Human Rels, 70; auth, The sociology of delinquent gangs and spontaneous groups & Internecint conflict: the offender, In: Delinquency; selected studies, Wiley, 69. Address: 55-25 98th Place, Rego Park, N.Y. 11368.

COHEN, DR. CHARLES P, b. New York, N.Y. Oct. 3, 33; m. 57; c. 3. PSY-CHOLOGY. B.A, City Col. New York, 54, M.S., 58; D.Phil, Kansas, 63. Staff psychologist, Vet. Admin. Center, 63-67; ASST. PROF. CLIN. PSY-CHOL, HOUSTON, 67- Lectr., exten. div, Kansas, 63-66. Psychol. consult, Head Start Prog, Houston, 67-68; Tex. Res. Inst. Ment. Sci, 67-; res. consult, Vet. Admin. Hosp, 69- Psychol. Asn. Personality patterns of drug abusers; interpersonal factors in emergent leaders of human relations training laboratories, personality patterns of clients at university counseling service. Publ: Correspondence course—introductory psychology, Exten. Div., Univ. Kansas, 63; co-auth, Psychological barriers to communication in drug-abusers, Symp. Drug Abuser, Symp. Drug & Alcohol Addiction, Sidney, Australia, 70. Address: Dept. of Psychology, University of Houston, Houston, Tex. 7700-4.

COHEN, DR. DANIEL, b. New York, N.Y, Dec. 13, 32; m. 56; c. 2. EDUCA-TIONAL PSYCHOLOGY. B.A, N.Y. Univ, 55, M.A, 59, Ph.D. (guidi admin), 67. Teacher, sec. schs, N.Y, 56-67; ASST. PROF. ED. PSYCHOL, PACE COL, 67-; DIR. N.Y. TESTING & GUID. CENTER, 64- Dir. visual psychol, Inst. Visual Physiol. & Optics, 68- Psychol Asn; Personnel & Guid. Asn; Nat. Voc. Guid. Asn; Arbit. Asn; Royal Soc. Health. Motivations underlying educational-vocational choices; theories on how people learn and why they don't learn; Olivier classification system of styles of learning. Publ: Auth, Motivations underlying vocational choice, J. Ed. Res, 70. Address: 209-83 18th Ave, Bayside, N.Y. 11360.

COHEN, DANIEL. Economics. See A-K Vol., 11th ed, Soc. & Behav. Vols. Change of address: 1400 Winding Waye Lane, Silver Spring, Md. 20902.

COHEN, DR. DOROTHY, b. Bronx, N.Y., Jan. 28, 18; m. 42; c. 2. MARKET-ING, BUSINESS. B.A. Brooklyn Col., 39; M.B.A. Hofstra, 58; Ph.D. (bus), Columbia, 67. Lectr. MKT, Sch. Gen. Studies, Columbia, 61-62; asst, prof, HOFSTRA, 62-67, ASSOC. PROF, 67- Mkt. Asn. Legal developments in advertising regulation of unfair practices; consumer protection; regulatory commissions. Publ: The Federal Trade Commission and the regulation of advertising in the consumer interest, J. Mkt, 1/69; column, Regulation of unfair practices, quart, J. Mkt; ed. Communication systems between management and the consumer in selected industries, Yearbook of Bus, Hofstra Univ, 69. Address: Dept. of Management, Marketing & Business Statistics, Hofstra University, Hempstead, N.Y. 11550.

COHEN, DR. EDWIN. Clinical Psychology, Speech Pathology. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chief psychol. serv, Vet. Admin. Hosp, Gainesville, 68; assoc. prof. clin. psychol. Florida, 68- Address: Veterans Administration Hospital, Gainesville, Fla. 32601.

COHEN, DR. EDWIN. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Lectr, bus. enterprise, State Univ. N.Y, Binghamton, 68-Address: Link Group, Singer Co, Binghamton, N.Y. 13902.

COHEN, PROF. FRED. Law, Behavioral Science. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

COHEN, PROF. IRA S(TANLEY). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Provost, 69-, Faculty of Social Sciences, State University of New York at Buffalo, Buffalo, N.Y. 14214.

COHEN, PROF. JEROME ALAN. Law, Chinese Studies. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

COHEN, PROF. JOZEF. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychol, Illinois, Champaign. Address: 303 Burkwood Court West, Urbana, Ill. 61801.

COHEN, DR. MARVIN. Pharmacology, Psychopharmacology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

COHEN, PROF. MORRIS H(AROLD). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Dept. of History, Government & International Relations, Clark University, Worcester, Mass. 01610.

COHEN, DR. ROSALIE A. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. & adminstr. Ph.D. & res. sequences, grad. sch. soc. work, Pittsburgh, 69- Address: 6301 Bartlett St, Pittsburgh, Pa. 15217.

COHEN, DR. SHELDON MORRIS. Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Assoc. porf., 69-, Dept. of Psychology, Jacksonville, Pla. 32211.

COHEN, DR. STEPHEN P, b. Chicago, III, Mar. 9, 36; m. 58; c. 3. POLITI-CAL SCIENCE. B.A. Chicago, 58, M.A. 59; Ph.D. (polit. sci), Wisconsin, 67. ASST. PROF. POLIT. SCI. & ASIAN STUDIES, ILLINOIS, URBANA, 65-Sr. fel, Am. Inst. Indian Studies, 68-69. Asn. Asian Studies; Polit. Sci. Asn. Role of military in developing societies, especially South Asia, including relationship to social system and policy making. Publ. The twain meet: the British Indian Army, Univ. Calif. 70; Issue, role and personality, Comp. Studies Soc. & Hist, 68; The untouchable soldier: caste and politics in the Indian Army, J. Asn. Studies, 69. Address: Dept. of Political Science, University of Illinois, Urbana, III. 61801.

COHN, DR. BARBARA NORFLEET. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New publ: Six speak, Cambridge Civic Asn, 67. Address: 79 Raymond St, Cambridge, Mass. 202140.

COHN, DR. ELCHANAN, b. Tel-Aviv, Israel, Jan. 16, 41; m. 63; c. 1. ECO-NOMICS. B.A. Minnesota, 63, M.A. 65; Ph.D.(econ), Iowa State, 68. Instr. & res. assoc. ECON, Iowa State, 67-68; ASST. PROF, PA. STATE, 68-Econ. Asn. Economics of education & health; economics of poverty and manpower research. Publ: Economies of scale in Iowa high school operations, J. Human Resources, Iall 68. Address: 411 Boucke Bldg, Pennsylvania State University, University Park, Pa. 16802.

COHN, DR. JULES. Political Science. See A.-K Vol. 11th ed. Soc. & Behav. Vols. New position: Sr. urban res. scientist, McKinsey & Co. 69- Address: 4 Washington Square Village, Apt. 3-P, New York, N.Y. 10012.

COKER, DR. DAVID L(EE), b. White Hall, III, Apr. 13, 37; m. 61; c. 1. PSY-CHOLOGY. B.S. Western Illinois, 59; M.A. Iowa, 61; Ed.D. (counseling), Indiana, 66. Head counsr, res. counseling prog, Indiana, Bloomington, 61-63; counsr, univ. counseling serv, 64-66; counseling prog, Endiana, Bloomington, 61-63; counsr, univ. counseling serv, 64-66; counseling psychologist, Indiana, Indianapolis, 63-64; ASSOC. PROF. PSYCHOL. & DIR. COUNSELING CENTER, WIS. STATE, STEVENS POINT, 66. Teacher & counsr, Wis. State Univ. Semester Abroad Prog, Eng. & vis. lectr, Maria Grey Col. & Borough Road Col. 69. Res. consult, Consortium Res. Develop, for State Univ. Wisconsin, 68-67; consult. & coordinator, Agency Int. Develop. & Wis. State Univ. Found, Inc. Seminars Higher Ed. for South Vietnamese univs, 67, 68 & 69. Personnel & Guid. Asn, Psychol. Asn. College and university environments and attrition; counselor education. Address: Counseling Center, Wisconsin State University, Stevens Point, Wis. 54481.

COLAIZZI, DR. PAUL FRANCIS, b. Pittsburgh, Pa, May 7, 38; m. 67; c. 1. FSYCHOLOGY, PHILOSOPHY. B.A, Duquesne, 63, M.A, 65, Ph.D.(psychol), 69. Res. asst. PSYCHOLD, Duquesne, 63-65, teaching asst, 65-68; ASST. PROF, Va. Commonwealth Univ, 68-70; DUQUESNE, 70- U.S.M.C, 56-59. Psychol. Asn. Cognitive psychology, foundations of research in scientific psychology and historical origins of current psychological beliefs

from the theoretical perspective of existential phenomenology. Publ: The descriptive methods and the types of subject matter of a phenomenologically based psychology: exemplified by the phenomenon of learning, Univ. Microfilms, 70; Analysis of the learner's perception of learning material at various phases of a learning process, Rev. Existential Psychol. & Psychiat, spring 67; Re-examination of meaningfulness in luminous phenomena, Perceptual & Motor Skills, 69. Address: Dept. of Psychology, Duquesne University, Pittsburgh, Pa. 15219.

COLBERG, PROF. MARSHALL R(UDOLPH). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New publ: Co-auth, Business economics: principles and cases, Irwin, 4th ed, 70. Address: Dept. of Economics, Florida State University, Tallahassee, Fla. 32306.

COLBY, PROF. MARY McRAE. Geography. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position & address: Prof. 69-, Dept. of Geography, Clarion State College, Clarion, Pa. 16214.

COLCORD, DR. FRANK CARLTON, JR. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. & chmn. dept, 69-, Tufts University, Eaton Hall, Medford, Mass. 02155.

COLE, DR. CLETUS A(ELRED). Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1115 Graydon Ave, Norfolk, Va. 23507.

COLE, DR. DAVID C(HAMBERLIN). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Econ. adv. to govt. Indonesia, Harvard Develop. Adv. Serv, 68- Address: c/o Ford Foundation, P.O. Box 2030, Djakarta, Indonesia.

COLE, DR. DAVID LEE, b. Lansing, Mich, June 11, 40; m. 65. AGRICUL-TURAL ECONOMICS. B.B.A. & B. Agr., Minnesota, 62; Continental Grain & Nat. Defense Ed. Act lels, M.A. & Ph. D. (econ, agr. econ), Wisconsin, 66. Res. asst. AGR. ECON, Wisconsin, 62-66; ASST. PROF, MICH. STATE, 66-Found. Econ. Ed. summer fel, 68. Agr. Econ. Asn. Marketing management for Iirms working in agriculturally related fields; improving efficiency of marketing systems. Publ: Co-auth, Proposed standards and guidelines for cooperative feeder cattle sales, Mich. State Univ, 68 & Factors affecting prices paid for feeder cattle at Michigan cooperative feeder cattle sales, J. Animal Sci., 69; auth, The effect of merchandising methods on the sale of feeder cattle at cooperative sales, Am. J. Agr. Econ, 69. Address: 2219 Iroquis 87, Okemos, Mich. 48664.

COLE, DR. DONALD PRESTON, b. Kearny, N.J. Dec. 1, 37. ECONOMICS.
A.B. Drew, 59; M.A., Montana, 61; Ph.D. (econ.), Ohio State, 68. Asst. econ,
Montana, 59-61; econ. analyst, Bankers Trust Co. summer 62; instr. econ,
Upsaia Col, 62-63; asst. instr., Ohio State, 63-66; RES. DIR, SEMESTER
ON EUROPEAN COMMUNITY, DREW UNIV-INST. EUROPEAN STUDIES,
BRUSSELS, BELGIUM, 66-, ASST. PROF. ECON, DREW, 66- Econ. consult,
Select Cmt. Govt. Res., U.S. House Rep. summer 64; Megistos Trade Study
Group, Univ. Brussels, 68; teaching consult, Bell Tel. Labs, N.J., 69-70.
U.S.A.F.R., 62-68. Econ. Asn. Monetary theory; European economic integration. Publ: Ed, Megistos: a world forecasting model for income and
trade in 1975, North-Holland, 70; sr. staff writer, The impact of federal
research and development programs, Select Cmt. Govt. Res, 64; auth, The
demand for denominations of U.S. currency, 1914-65, J. Finance, 3/70.
Address: Dept. of Economics, Drew University, Madison, N.J. 07940.

COLE, DR. HUGH M(ARSHALL). Military History. See 5th ed, Dir. Am. Scholars, Vol. 1, Hist.

COLE, DR. JAMES EDWARD. Ethology, Vertebrate Zoology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

COLE, DR. JAMES K(IMBROUGH). Clinical Psychology. See A-K Vol., 11th ed, Soc. & Behav. Vols. New information: Also dir, 69-, Clinical Psychology Training Program, University of Nebraska, Lincoln, Nebr. 68508.

COLE, DR. JONATHAN R, b. New York, N.Y, Aug. 27, 42; m. 68. SOCIOL-GOY. B.A, Columbia, 64, univ. fel, 64-65, Nat. Inst. Ment. Health fel, 65-69, Ph.D. (sociol.), 69. ASST. PROF. SOCIOL, COLUMBIA, 69-Sociol. Asn. Problems in the sociology of science, social stratification and methodology. Publ: CO-auth. Scientific output and recognition, 67 & Visibility and structural bases of awareness of scientific research, 68, Am. Sociol. Rev; Measuring the quality of sociological research, Am. Sociologist, 11/70. Address: 440 Riverside Dr, New York, N.Y. 10027.

COLE, PROF. L(AWRENCE) E(DWIN). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Correction in address: 400 Clayton Rd, Chapel Hill, N.C. 27514.

COLE, PROF. LOIS HELEN, b. Bonham, Tex, Dec. 12, 13; m. 41. BUSINESS ADMINISTRATION. B.A., North Texas State, 34; M.A., Southwest Texas State, 50; Ph.D. (bus. ed), Texas, Austin, 54; summers, California, Berkeley & Fresno State Col. 56, San Francisco State Col., 58-58 & California, Los Angeles, 59; cert, int. Bus. Mach. Ed. Center, Los Angeles, 61, Las Yegas, 67, Texas, 54, 54, 54; section of the collection of the collecti

puter science in American colleges and universities; certification for secretaries. Publ: A survey of college data processing, courses and degrees, 63 & co-auth, Edgerton, Germeshausen & Grier capital equipment inventory for 1604B control data computer, 64, Atomic Energy Cmn; auth, Self-realization for legal secretaries, Tex. Asn. Legal Secys. Docket, 9/68; plus others. Address: 411 June St. Alpine, Tex. 79831.

COLE, DR. NYLA J. Psychiatry. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

COLE, DR. ROBERT E, b. Oct. 14, 37; U.S. citizen, m. 61; c. 2. SOCIOLOGY. B.A, Robart Col, 59; Brunnsviks Folk High Sch, Sweden, 60-61; M.A, Illinois, 62; Ph.D. (sociol), 67; Keio-Blinois Proj. fel, Stanford, 64, Japan, 65-66. ASST. PROF. SOCIOL, CENTER JAPANESE STUDIES, MICHIGAN, 67-Participant, Detroit area study annual survey & comp. careers study & Yokohama counterpart financed by Rackham Sch, Univ. Michigan, 69-70. Asn. Asian Studies. Theory of industrialization and social change, especially in Japan. Publ: Japanese blue-collar; the changing tradition, Univ. Calif, 70. Address: Dept. of Sociology, 3057 Literature, Science and Arts Bldg, University of Michigan, Ann Arbor, Mich. 48104.

COLE, DR. SHERWOOD ORISON, b. North Scituate, R.I., May 28, 30; m. 52; c. 2. PSYCHOLOGY. B.A, California, Santa Barbara, 58; U.S. Pub. Health Serv. grant, California, Los Angeles, 58-60, MA, 61; U.S. Pub. Health Serv. grant, California, Los Angeles, 58-60, MA, 61; U.S. Pub. Health Serv. grant, California, Los Angeles, 58-60, MA, 61; U.S. Pub. Health Serv. grant, California, 68-62, ASSOC. PROF. & CHMN. DEPT, 67- Asst. prof. PSY-CHOL, Biola Col, 64; proj. dir, Nat. Sci. Found. instr. sci. equip. grant, Rulgers, 67-68. Hosp. C, U.S.N., 51-54. AAAS, Psychol. Asn. Psychopharmacology; brain mechanisms and behavior; physiological basis of behavior. Publ: increased suppression of food intake by amphetamine in rats with anterior hypothalamic lesions, J. Comp. & Physiol. Psychol. 61: 302, Experimental effects of amphetamine: a review, Psychol. Bull, 68: 91 & Brain mechanisms and depressant action of amphetamine on feeding behavior, Psychol. Reports, 23: 775. Address: Dept. of Psychology, Rutgers University, Camden, N.J. 08102.

COLE, DR. STEPHEN, b. New York, N.Y. June 1, 41; m. 69. SOCIOLOGY. B.A, Columbia Col, 62; Ph.D. (sociol), Columbia, 67. Instr. SOCIOL, Columbia, 66-67, asst. prof, 67-68; STATE UNIV. N.Y. STONY BROOK, 68-70, ASSOC. PROF. 70-Consult, Soc. Welfare Res. Coun, 66-68; res. assoc, prog. sociol. of sci, Columbia, 66- AAAS; Sociol. Asn. Sociology of science, education and professions; methodology. Publ: The unionization of teachers: a case study of the UFT. Praeger, 69; co-auth, Scientific output and recognition, 67 & Visibility and the structural bases of awareness of scientific research, 68. Am. Sociol. Rev. Address: Dept. of Sociology, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.

COLEAN, MILES L(ANIER). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Chmm, President's Task Force on Urban Renewal, 69-70. Address: 1707 H St. N.W, Washington, D.C. 20006.

COLEMAN, DR. RALPH O, JR, b. Corvallis, Ore, Dec. 9, 31; m. 64; c. 1. SPEECH PATHOLOGY, AUDIOLOGY. B.S, Oregon State, 54; M.S, Oregon, 69; Ph.D.(speech path), Northwestern, 63. Asst. prof. speech path, Nebraska, 63-65; res. speech pathologist, Lancaster Cleft Palate Clin, 65-66; ASSOC. PROF. SPEECH PATH, MED. SCH, UNIV. ORECON, 66-Speech & Hearing Asn, Cleft Palate Asn. Speech characteristics of persons with palatal clefts, especially the changes that occur in the acoustic spectrum of the speech of such persons. Address: Dept. of Speech Pathology, University of Oregon Medical School, Portland, Ore. 9720.

COLENATY, CHARLES ALBERT, b. Berkeley, Calif, Sept. 28, 25; m. 65; c. 4. PSYCHOLOGY. B.A, Southern California, 47, M.A. 49. Statistician, Los Angeles County Probation Dept, 49-53; lines layout inspector, Douglas Aircraft Co, Inc, 53-54; psychologist, Dwight Palmer & Assoc, 54-57; co-owner. Colenaty, Swaffield and Cheresh, Inc, 57-58; Counsr. to Mgt, Inc, 58-63; OWNER, MGT. COUNSR. ASSOCS, 63. Instr. Pierce Jr. Col, 68- U.S.N.R, 43-45. Psychol. Asn; Acad. Psychosom. Med. Development and research in psychological testing; industrial consultation; effects of stress on human behavior; psychophysiological research and ethology; statistics; test construction; personnel testing and evaluation. Publ. The design perception cards: a numerically scored projection technique for use in business and industry, 66; The design perception cards as a predictor of sales ability, 68 & The design perception cards as a predictor of such scholing for the sales and the sales of the design perception cards as a predictor of such scholing. Management Counselors Associates, 12121 Wilshire Blvd, Los Angeles, Calif. 90025.

COLES, DR. E(DWARD) MICHAEL, b. London, Eng., Feb. 5, 37; m. 62; c. 2. PSY-CHOLOGY. B.Sc, London, 60, Ph.D. (psychol), 64. Clin, psychologist, Runwell Hosp, Eng., 60-61; Woodlands Sch, B.C, 61-62; instr. psychiat, British Columbia, 64-67; ASST. PROF. PSYCHOL, SIMON FRASER UNIV., 67- Psychologist, univ. student health serv, Univ. British Columbia, 64-66. Children's Hosp, Vancouver, B.C, 65-67; consult. psychologist, Riverview Hosp, 68- Brit. Army, 55-57. Am. Psychol. Asn; assoc. Brit. Psychol. Soc. Psychopathology. Publ: Co-auth, Mechanism and measurement of the galvanic skin response, Psychol. Bud., 66. Address: Dept. of Psychology, Simon Fraser University, Burnaby 2, B.C, Can.

COLES, PROF. FLOURNOY ARTHUR, JR. Economics, Systems Analysis. See A-K Vol, 1th ed, Soc. & Behav. Vols. New information: Prof. & chmn. dept. econ. & bus. admin, Fisk & prof. mgt, grad. sch. mgt, Vanderbilt, 69-Address: Dept. of Economics, Fisk University, Nashville, Tenn. 37203.

COLES, PROF. ROSWELL S(TRONG). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, Wagner Col, 70; independent hist. res, 70- Address: Box 376, Highland Lakes, N.J. 07422.

COLFAX, DR. J(OHN) DAVID. Sociology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Assoc. prof. 69-, Dept. of Sociology, Washington University, St. Louis, Mo. 63130. COLIE, DR. STUART EDGAR. Political Science. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Assoc. prof. 69-, Dept. of Political Science, Central Connecticut State College, 1615 Stanley St, New Britain. Conn. 06050.

COLLARD, DR. ROBERTA RANDALL, b. Lamesa, Tex, Oct. 7, 17. DEVEL-OPMENTAL PSYCHOLOGY. B.S, Texas, 40; Kansas, 40-41; fel, Chicago, 59-60, Ph.D. (human develop), 62. Instr. CHILD DEVELOP, Oregon State, 61; British Columbia, summer 61; ASST. PROF. California, Davis, 62-67; MASSACHUSETTS, 68- Psychol. Asn; Soc. Res. Child Develop. Play and curiosity in infants; early cognitive development; creativity; sensory and maternal deprivation; stranger fear; aggression; early group formation. Publ: Intelligence, creativity, and emotional adjustment in young children, N.C.A.N.E. Bull, 63; Fear of strangers and play behavior in kittens with varied social experience, 67 & Social and play responses of first-born and later-born infants in an unfamiliar situation, 68, Child Develop. Address: Dept. of Human Development, University of Massachusetts, Amherst, Mass. 01002.

COLLAZO-COLLAZO, DR. JENARO, b. Orocovis, P.R. Sept. 20, 32; U.S. citizen. SOCIOLOGY, AGRICULTURAL ECONOMICS. B.A, Puerto Rico, St. M.S. Cornell, 58, Ph.O. (sociol), 67. Res. asst. rural sociol, agr. exp. sta. PUERTO RICO, 55-60, asst. sociologist, 60-62, assoc. sociologist, 64-67, ASSOC. PROF. SOCIOL. & CHIMN. DEPT, 67- Rural Sociology, ospecially living conditions and sociology of work. Publ: Development of a level-of-living scale for Puerto Rican rural families, 10/60, co-auth, Some problems of cross-cultural, (rural sociology), 60 & auth, Los recursos humanos en la industria del café en Puerto Rico, 53, Univ. Puerto Rico Agr. Exp. 3ta. Address: Dept. of Sociology, University of Puerto Rico College of Social Steinees, Rio Piedras, P.R. 0922.

COLLINS, PROF. GARY R(OSS). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. psychol, 69-, Trinity Evangelical Divinity School, Bannockburn, Deerfield, III. 60015.

COLLINS, DR. JOHN BUNTING, b. Lovell, Wyo, Apr. 7, 40. ENVIRONMENTAL PSYCHOLOGY. B.A, Brigham Young, 64, M.S, 65; U.S. Pub. Health Serv. fel, California, Berkeley, 67; Ph.D. Clarch, psychol), Utah, 70. Instr., psychol, Utah, 65-69; ENVIRON. PSYCHOLOGIST ACAD. PLANNING OFF, UNIV. BRITISH COLUMBLA, 69- Summer, mem. tech. staff, Walkins-Johnson Co, 66. Consult, California, Berkeley, 67-69. AAAS. Investigation of impact of build environments on human perception and behavior revolution of criteria of measurement for environmental-behavioral interfaces; multivariate analysis of architectural perception on human behavioral Racilitation; specifying and implementing architectural design to facilitate classroom learning. Publ: Perceptual dimensions of architectural space validated against behavioral criteria, Univ. Utah, 69; Interim report: residential environment, social behavior and health, Univ. California Berkeley, 69. Address: 750 Jervis, Apt. 2004, Vancouver 5, B.C, Can.

COLLINS, DR. JOHN NORMAN. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1311 Bayshore Dr, Haslett, Mich. 48840.

COLLINS, DR. JUNE McCORMICK. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, Dept. of Anthropology. State University of New York College at Buffalo, 1300 Elmwood Ave, Buffalo, N.Y. 1422.

COLLINS, DR. RICHARD C(LYDE). Political Science, Public Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also Chmn. interdisciplinary Master's prog. pub. affairs, University of Oregon, Eugene, Oct.

COLLINS, DR. THOMAS BERNARD, JR, b. Portland, Ore, Jan. 23, 29; m. 56; c. 1. PHYSIOLOGICAL PSYCHOLOGY. B. A. Portland, 52; U.S. Pub. Health Serv. 161, Washington (Scattle), 61-64, M.S. 63, Ph.D. (psychol), 67. ASST. PROF. PSYCHOL, CENT. WASH. STATE COL. 64 - AAAS; Soc. Exp. Anal. Behav, Animal Behav. Soc. Response to barbiturates and effect of activator drugs on learning; imprinting in fowl intrabrain electrical stimulation; limbic system functions. Address: Dept. of Psychology, Central Washington State College, Ellensburg, Wash. 98926.

COLM, DR. GERHARD. Economics. See 11th ed, Soc. & Behav. Vols, deceased 68.

COLMAN, DR. ARTHUR DAVID, b. New York, N.Y, m. 63; c. 2. PSYCHIA-TRY, BEHAVIORAL SCIENCE. A.B, Harvard, 58, M.D, 62. Intern med, Beth Israel Hosp, Boston, Mass, 62-63; res. psychiat, Langley Porter Neuropsychiat. Inst, med. center, California, San Francisco, 63-66; res. psychiatrist, Walter Reed Army Inst. res. & staff psychiatrist & mem. teaching faculty psychiat, Walter Reed Gen. Hosp, 67-70; CAREER TEACHER & RESIDENT ASST. PROF. PSYCHIAT, MED. CENTER, CALIFORNIA, SAN FRANCISCO, 70. State of Calif. Dept. Ment. Hyg. grant, 65-66; Assoc. Faculties Prog. in Community Psychiat, Wash. Sch. Psychiat, D. C., 66-68; U.S. Army Res. & Develop. Command grant, 67-68. Med.C. U.S.A, 66-69. Assn. Adv. Psychother; Psychiat. Asn. Psychology of preganacy; design of treatment environments; family therapy; experimental analysis of behavior. Publ: Co-audt, Utilization of an operant conditioning model for the treatment of character and behavior disorders in a military setting, Am. J. Psychological state during first pregnancy, 69, Am. J. Orthopsychiat. Address: 401 Parnassus Ave. San Prancisco, Calif. 94122.

COLMEN, DR. KENNETH S(EYMOUR). Economics. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position & address: Exec. v.pres, 68-, P&F Industries Inc, 45 N. Station Plaza, Great Neck, N.Y, 11021.

COLTHEART, DR. M, b. Frankston, Australia, Apr. 16, 39; m. 61; c. 2. PSY-CHOLOGY. B.A, Sydney, 61, M.A, 62, Ph.D. (psychol), 68. Lectr. PSYCHOL. Sydney, 66-67; Monash Univ, Australia, 67-68, sr. Lectr. 69; ASST. PROF. WATERLOO, 69- Memory: perception; signal detection theory; reaction time; time perception. Address: Dept. of Psychology. University of Waterloo, Ont, Can.

COLVIN, DR. RALPH W(HITMORE). Clinical Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 6901 Hestand Lane. Ft. Smith, Ark. 72901.

COMEAUX, DR. MALCOLM LOUIS, b. Lafayette, La, Apr. 19, 38; m. 67; c. 1. CULTURAL & HISTORICAL GEOGRAPHY. B.A, Southwestern Louisiana, 63; M.A, Southern Illinois, 66; fel. & Ph.D. (egog), La. State, 69. Instr. GEOG, Southwestern Louisiana, 65-66; ASST. PROF, ARIZONA STATE, 69. U.S.A, 54-60. Geog. Soci, San. Am. Geog. Historical geography: fishing cultures and techniques in the United States, especially inland waters. Address Dept. of Geography, Arizona State University, Tempe, Ariz. 8520.

COMEY, DAVID DINSMORE. Philosophy. See 5th ed, Dir. Am. Scholars. Vol. IV, Philos, Relig. & Law.

COMLY, DR. HUNTER HALL, b. Denver, Colo, July 21, 19; m. 41; c. 5.
CHILD PSYCHIATRY, B.S., Yale, 41, M.D., 43. Intern pediatrics, Mass.
Gen. Hosp, 44; asst. res. Univ. Iowa Hosps, 44, res. psychiat, 48; asst. prof.
pediats. & psychiat, col. med, Iowa, 48-56; Wayne Med. Sch, 57-67; ASSOC.
PROF. CHILD PSYCHIAT, COL. MED, IOWA, 67-Orthopsychiat. Asn: Psychiat. Asn. Address: 500 Newton Rd, Iowa City, Iowa 52240.

COMPTON, DR. ARTHUR J, b. Columbus, Ohio, June 21, 36: m. 58; c. 4. PSYCHOLINGUISTICS. B.S, Ohio State, 58, M.A, 61, Ph.D. (psycholing), 65. Asst. dir. Listening center. Ohio State, 61-65; ASST. PROF. SPEECH PATH. & AUDIOL, 10WA, 65-0ld Gold summer res. fel., 67. Acoustical Soc. Am; Speech & Hearing Asn; Ling. Soc. Am. Speech perception; child language development. Address: Dept. of Speech Pathology & Audiology. University of Iowa, Jowa City, Iowa 52240.

CONANT, DR. MIRIAM B, b. Paris, France, Aug. 4, 31; m. 52; c. 2. POLITICAL SCIENCE. B.A. Bryn Mawr Col, 51; M.A. Columbia, 53. Ph.D. (polit. sci), 62. ASST. PROF. GOVT. COLUMBIA, 63- Am. Coun on Ed. acad admin. internship prog. elf, 66-67. Polit. Sci. Asn. Acad. Polit. 6 Soc. Sci. History of political theory; normative theory. Pub Legal questions of Conciliation, summer 58; The academic dean as a subversive bureaucrat, Ed. Record, summer 59; The academic dean as a subversive bureaucrat, Ed. Record, summer 59; Address: 502 Lewisohn Hall, Columbia University. New York, NY. 71027.

New York, N. Y. 10027.

CONANT, PROF. RALPH W(ENDELL), b. Hope, Maine, Sept. 7, 26; m. 50; c. 3. POLITICAL SCIENCE. B.A, Vermont, 49; M.A, Chicago, 54, Ph.D. (polit. sci), 59. Lectr. govt, Mich. State, 56-57; staff assoc, Nat. Munic. League, 57-59; exec. dir., Citizens for Mich, 59-60; asst. prof. pub. admin, Denver, 60-62; asst. to dir., Joint Center Urban Stud, Mass. Inst. Tech. & Harvard, 62-66; assoc, prof. Brandeis, 67-69; PROF. POLIT. SCI. & DIR. INST. URBAN STUDIES, HOUSTON, 69; PROF. POLIT. SCI. & DIR. INST. URBAN STUDIES, HOUSTON, 69; PROF. POLIT. SCI. & DIR. INST. URBAN STUDIES, HOUSTON, 69; PROF. POLIT. SCI. & DIR. INST. URBAN STUDIES, HOUSTON, 69; PROF. POLIT. SCI. & DIR. INST. URBAN STUDIES, HOUSTON, 69; PROF. POLIT. SCI. & DIR. STUDIES, CO. P. G. F. G. F. G. Chill. Cont. Joint Sci. M. G. F. G. F. G. Chill. Conn. Legis. Cm., 65-67; Joint Center for Urban Studies, Mass. Inst. Tech. & Harvard, 66-68, Dept. Housing & Urban Develop; Travelers Res. Corp. Hartford, Conn. Mem. bd. dirs, Unitarian Universalist Serv. Cmt; mem. subcmt. on urban poverty, Cmt. for Econ. Develop; regional health adv. cmt, U.S. Dept. Health, Ed. & Welfare, 68-72. U.S.A.A.F., 43-45; U.S.N., 49-50; U.S.A., 51-53, Res, 53-69, Maj.(Rel.) Pollt. Sci. Asn. Publ. Health Asn. Urban politics. Publ. The public library and the city, Mass. Inst. Tech, 65; The politics of community health, Pub. Affairs, 66; The prospects for revolution, Harper's Mag. Press, 70. Address: 11841 Bayhurst Dr. Houston, Tex. 77024.

CONAWAY, DR. ORRIN BRYTE, JR. Political Science. See A-K Vol, 11th ed, 50c. & Behav. Vols. New position & address: Benedum prof. Am. govt. 68-, Dept. of Political Science, West Virginia University, Morgantown, W.Va. 26506.

CONCORDIA, GEORGE L, O.P. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

CONDELL, PROF. JAMES FRANKLIN, b. Louisville, Ky, Oct. 10, 21; m. 52. PSYCHOLOGY. A.B, Ky. State Col, 42; M.A, Columbia, 48; N.Y. Univ, 49-50; North Dakota, 56-57; Ed.D. (ed. psychol), Nebraska, 62. Asst. prof. psychol. & dur. guid, Md. State Col, 48-49; employ. interviewer, State Employ Serv, NY, 50; counser, for men, Fla. Agr. & Mech, 50-52, asst. prof. psychol, 52-56, acting head dept, 54-55, dir. test serv. bur, 53-56; res. asst. psychol, North Dakota, 55-57; clin. psychologist, N Dak. State Hosp. 57-58; State Dept. Health, Minn, 58-61; asst. ed. psychol, Univ. Set. PROF. 61-62; consult, psychologist, Lakelam DSTATE COL, 65-18-tr., Fergus FSYCHOL. & CHM. DEFT, MOORHED DSTATE COL, 65-18-tr., Fergus Falls Jr. Col, 62-65. U.S.A.AF, 43-46. AAAS; Psychol. Asn. Mental re-

tardation; motor skill training. Publ: Note on the use of the Ammons fullrange picture vocabulary test with retarded children, Psychol. Reports, 59 & Parental attitudes toward mental retardation, Am. J. Ment. Deficiency, 66; co-auth, Providing school psychological service through a community mental health center, Community Ment. Health J, 68. Address: Dept. of Psychology, Moorhead State College, Moorhead, Minn. 56560.

CONDIT, PROF. DORIS MORGAN. Military History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

CONDLIFFE, DR. J(OHN) B(ELL). International Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired. Address: 1801 Broadway. San Francisco, Calif. 94109.

CONDON, DR. GEORGE ANDREWS. Political Science. See A-K Vol, 11th ed, 80c. & Behav. Vols. New position & address: Campus dean, 69-, Rock County Campus, University of Wisconsin, Janesville, Wis. 53545.

CONFORTI, DR. JOSEPH MICHAEL, b. Newark, N.J. Jan. 31, 38; m. 63. SO-CIOLOGY B.A. Rutgers, 66, M.A. 63, Ph.D. (sociol), 67, Res. assoc. SO-CIOL and a studies center, Rutgers, 65-67, ASST. PROP, Ohio State, 67-59; RITGERS, 69-68-61; Rutgers, 65-67; ASST. PROP, 60-67; col. ed. Ohio State Univ. 65-89; N.J. Dept. Ed. 69. State Univ. 65-89; N.J. Dept. Ed. 69. Urbanization; child development; sociology of health. Publ. The poor in particular, Urban N.J. 195; Racis m in musu education, Musart, 9-10/69; Attitudes toward health and health care facilities among low income youth, Soc. Sci. Quart, 12/69. Address: 32 James St, Newark, N.J. 07102.

CONGER, DR. ANTHONY J. b. Plainfield, N.J., Apr., 10, 38; m. 62. PSYCHOL-OGY. B.A., Trenton State Col., 62; Ph.D. (psychol), Illinois, 68. ASST. PROF. PSYCHOL, Western Ontario, 67-70; L. L. THURSTONE PSYCHOMET. LAB, NORTH CAROLINA, CHAPEL HILL, 70. Psychomet. Soc. Multivariate statistical analysis; personality assessment; experimental personality rubi: A dimensional analysis of MMPI items, Multivariate Behav. Res., 7/69; Analysis of Ghiselli's moderator variable, Psychol. Reports, 10/69. Address: L. L. Thurstone Psychometric Lab, University of North Carolina, Chapel Hill, N.C. 27514.

CONKEY, DR. HARLAN D(ON). Audiology. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Audiologist, 70-, Dept. of Speech, Oregon State University, Corvallis, Ore. 97331.

CONKLIN, EDMUND HOLBROOK. Psychology, Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Sr. group eng. psychologist, adv. design, McDonnell Aircraft Co, 68- Address: 1849 N. Ballas Rd, Des Peres, Mo. 63131.

CONKLIN, DR. FRANK SIDNEY, b. Portland, Ore, Feb. 13, 32; m. 55; c. 3. AGRICULTURAL ECONOMICS. B.S, Oregon State, 54, M.S, 59; Ph.D. (prod. econ, farm mgt), Iowa State, 68. Specialist, exten. farm mgt, Oregon State, 59-62; inst. farm mgt, Iowa State, 26-65; res. assoc. & vis. prof. Nuevo Leon, 67-68; ASST. PROF. AGR. ECON, OREGON STATE, 66-U.S.A.F, 54-57, Capt. Am. Econ. Asn; Am. Agr. Econ. Asn, Can. Agr. Econ. Asn. Publ: Apuntes y ejercicios para un curso de administracion rural, Univ. Nuevo Leon, 68; co-auth, Uso optimo de los recursos agropecuarios en el Distrito de Riego de La Begona, Estado de Guanajuato, Mexico, Center Agr. Econ, Postgrad. Col, Mexico, 68; auth, Cost and efficiency in Oregon's seed processing industry, Proc. Seed Processors Conf. Oregon State Univ. 69. Address: Dept. of Agricultural Economics, Oregon State University, Corvallis, Ore. 97331.

CONKLIN, PROF. PATRICK J(AMES). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. sr. resident faculty, 69-, Federal Executive Institute, U.S. Civil Service Commission, Highway 29 N, Charlottesville, Va. 22903.

CONKLING, PROF. EDGAR CLARK. Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 68-, Dept. of Geography, State University of New York at Buffalo, 4224 Ridge Lea Rd, Amherst, N.Y. 14226.

CONN. PROF. WORTH B. b. Lancaster, Ky, Oct. 12, 08; m. 44; c. 4. SOCI-OLOCY, RELIGION B. A. Ky, Wesleyan Col., 36; B.D. Emory, 42; M.S. Fla. State, 61, Pastor, Ky, Conf. Methodist Church, 36-40; chaplain trainee, Fed. Coun, Churches, Greystone Park, N.J. & U.S. Penitentiary, Atlanta, Ga, 42-43; chaplain, U.S. Penitentiary, McNeil Island, Wash. & U.S. Reformatory, Chillicothe, Ohio, Fed. Bur. Prisons, 43-44, Fed. Hosp. Prisoners, Springidel Illi, 53-54, Fed. Correctional Inst., Tallahassee, Fla, 54-63; asst. prof. SOCIOL, SOUTH. STATE COL.(ARK), 63-67, ASSOC. PROF. 67 - Chmn. cmt. correctional 1ras, fed. 61. U.S.N., 44-53, Lt. Sociol. Soc; Am. Acad. Arts & Sci; Correctional Asn. General sociology; population; criminology. Address: Dept. of Sociology, Southern State College, Magnolia, Ark. 71753.

CONNELLY, DR. JOHN F, b. Riverside, Ill, Dec. 2, 41. EXPERIMENTAL PSYCHOLOGY B.A, St. Mary's Col.(Calif), 63; M.A, Calif. State Col. Los Angeles, 66; univ. grant, Portland, 68, summers, Nat. Sci. Found. fels, 66, 67, Ph. D. (psychol), 69. ASST. PROF. PSYCHOL, KANS. STATE COL, PITTSBURG, 68- AAAS; Psychol. Asn. Experimental methodology, as related to human and animal learning; experimental tests of partial reinforcement theories; comparison of rats and gerbils in relation to learning rates and the partial reinforcement effect. Publ: Co-audt, Selected readings in psychology, Mosby, 70 & Replacement function of intertrial reinforcement, Psychonom. Sci. 69. Address: Dept. of Psychology, Kansas State College, Pittsburg, Kans. 66762.

CONNER, DR. JAMES RICHARD, b. Coryell Co., Tex, June 22, 42; m. 62; c. 1. AGRICULTURAL ECONOMICS. B.S, Texas A&M, 65, M.S, 67, Ph.D. (agr. econ), 70. Res. assoc. statist, Texas A&M, 67-69; ASST. PROF. AGR. ECON, FLORIDA, 69. Water Resources Asn; Agr. Econ. Asn; Statist. Asn.

Water resources and related areas including planning and management and allocation problems; applied research on application of multiple frame survey (echniques. Publ: Co-auth, Use of domain estimators with unequal probability in sample surveys, J. Am. Statist. Asn, 68, Evaluating incentive payment programs through aggregate production response: the case of mohair, South. Agr. Econ. Asn, 69 & The development of a model to evaluate hydrologic risk in water resource system design, Am. Water Resources Asn, 69. Address: Dept. of Agricultural Economics, McCarty Hall, University of Florida, Gainesville, Fla. 32601.

CONNERY, PROF. ROBERT H(OWE). Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. Charge of address: Dept. of Political Science, Columbia University, New York, N.Y. 10027.

CONNING, DR. ARTHUR M, b. Brooklyn, N.Y. 10027.

CONNING, DR. ARTHUR M, b. Brooklyn, N.Y. Feb. 25, 36; m. 62; c. 2. DE-MOGRAPHY, SOCIOLOGY. B.A, Swarthmore Col, 57, B.S, 58; Fulbright fel, Birmingham, 58-60, M.Sc, 61; Nat. Defense Ed. Act fel, Cornell, 62-64, Pop. Coun. fel, 64-66, P.D. (Sociol), 69, ASST. PROP. POP, GRAD. SCH. PUB. HEALTH, PITTSBURGH, 67- Vis. prof, two regional seminars, Peru, 68. Pop. Coun. consult, Planning Inst. Lima, 68. Sociol. Asn, Pop. Asn. Am; Rural Sociol. Soc. Pub. Health Asn. Fertility and family planning in the United States and Latin America; rural-urban migration in Latin America. Publ: Estimación de la migración interna neta, clasificada por edad y por sexo, en las provincias y regiones de Chile durante los Años 1930-1940, 1940-1952 y 1952-1960; con una breve introducción referente a la metodología, Centro Latinoamericano de Demografía, Chile, Series D, 67; Variables de comunidad y de familia asociadas a la migracion rural-urbana: informe preliminar sobre una encuesta en siete comunidades rurales de Chile Central, (in press) & co-auth, Communidades rurales de una región de pequeños propietarios de Chile Central: resultados provisorios de un estudio por informantes clave, (in press), Antropología, Univ. Chile. Address: Population Division, Graduate School of Public Health, University of Pittsburgh, Pl. 1513.

CONOLLEY, DR. EDWARD S(TANTON), b. San Francisco, Calif, Jan. 16, 37. SOCIAL PSYCHOLOGY. B.A, San Diego State Col., 60, M.S, 64; Nat. Inst. Ment. Health fel, California, Riverside, 66-68, M.A. & Ph.D.(soc. psyCHOL, 69. Nat. Inst. Ment. Health fel, Yale, summer 69, ASST. PROF. SOC. PSYCHOL, SOUTHERN CALIFORNIA, 69- Med.Serv.C, Army Nat. Guard, 59-68, Capt. AAAS; Psychol. Asn. Attitude development and change; social influence processes; interpersonal attraction. Publ: Co-auth, Conformity and group size, J. Personality & Soc. Psychol, 1/68. Address: Dept. of Psychology, University of Southern California, Los Angeles, Calif. 90007.

CONOVER, PROF. THEODORE E. Journalism. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

CONOVER, DR. WILLIAM JAY. Statistics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

CONRATH, DR. DAVID W. Business Administration, Operations Research. See A.K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. 69-, Dept. of Management Sciences, University of Waterloo, Waterloo, Ont, Can.

CONSTAS, DR. HELEN, b. New York, N.Y, Sept. 21, 21. SOCIOLOGY. B.A, Hunter Coi, 42; M.A, New Sch. Soc. Res, 48, Halle fel, 53-54, Ph.D.(sociol. & polit. theory), 54. Instr. sociol, Bennett Jr. Coi, 54-55; asst. prof, Anderson Coi, 56-57; Juilliard Sch. Music, 57-62; ASSCC. PROF. soc. sci, Boston, 62-66; SOCIOL, AMERICAN UNIV. CAIRO, 66- Summer lectr, New Sch. Soc. Res, 60. Fel. Sociol. Asn. Comparative historical study of societies having a bureaucracy as a ruling class; charismatic bureaucracies, their genesis, dynamics, tensions, especially contemporary Communist bureaucracy; historical sociology; sociological theory. Publ: Ed, Ancient society; auth, Max Weber's two conceptions of bureaucracy, Am. J. Sociol; USSR-from charismatic sect to bureaucratic society, Admin. Sci. Quart. Address: Dept. of Sociology, American University at Cairo, 113 Kasr El Aini, Cairo, Egypt.

CONSUL, DR. PREM CHANDRA. Statistics, Mathematics. See Suppl. V to 11th ed, Phys. & Biol. Vols.

CONWAY, PROF. JOHN JAMES. Canadian History, General Education. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

CONWAY, DR. WILLIAM B, b. Dexter, Iowa, Apr. 4, 35; m. 60; c. 5. ECO-NOMICS. B.A, St. Ambrose Col., 60; M.A, Minnesota, 68, Ph. D. (econ), 69. Instr. principles of econ, Minnesota, 61-64; ASST. PROF. ECON, ST. JO-SEPH'S COL. (IND), 64-, CHMN. DEPT, 69- U.S.A, 55-57, Sgt. Econ. Asn. Effects of differential tax burdens upon the value of residential property in urban areas. Address: Dept. of Economics, St. Joseph's College, Rensselaer, Ind. 47978.

COOK, PROF. EDWARD J(OSEPH). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also assoc. dean, 68-, C.W. Post College, Long Island University, Greenvale, N.Y. 11548.

COOK, DR. EUNG-DO. Linguistics. See Suppl. I to 5th ed, Dir. Am. Scholars.

COOK, DR. HAROLD, b. Brooklyn, N.Y, June 11, 37. PSYCHOLOGY, EDUCATION. B.A, Calif. State Col. Los Angeles, 59; Ph.D.(ed. psychol), California, Los Angeles, 67. Personnel analyst, Los Angeles County Civil Serv. Cmn, 60-62; group supyr, Los Angeles County Probation Dept, 62-63; ed. intern, Marianne Frostig Sch, 63; ed. therapist, Melrose Sch. Disturbed Children, 63-65; researcher & sr. psychometrist, California, Los Angeles, 65-67; asst. prof. PSYCHOL. & EDUC, Syracuse, 67-69; ASSOC. PROF, TEACHERS COL, COLUMBIA, 69— Counsr, South. Calif. Counseling Center, 66. AAAS; Psychol. Asn, Soc. Res. Child Develop. Educational psychology; learning and development; verbal behavior. Publ. Verbal satistion of a positive and negative relatiorcer, J. Verbal Learning & Verbal Behav, 7: 1092-1087; co-

auth, The effect of achievement in a science unit on visual perception units, visa versa and/or the effect of achievement in a science unit on achievement in a science unit, Am. Ed. Res. J. 6; 136-141; auth. Effectiveness of verbal reinforcer subsequent to satiation in preschool children, Psychonomic Sci. 19; 327-329. Address: Oppt. of Psychology, Teachers College, Columbia University, 525 W. 120th St, New York, N.Y. 10027.

COOK, DR. HOWARD SCOTT, b. Oil City, P.a., June 16, 37; m. 59; c. 3. SO-CIAL ANTHROPOLOGY. B. A, American Univ, 59; Wisconsin, Madison, 59-60; Pan Am. Union fel. & M.A., Puerto Rico, 62; Mellon & U.S. Pub. Health Serv. fels. & Ph.D. (anthrop), Pittsburgh, 68. Res. assoc. soc. ci. res, soc. sci. prog, Dept. Health, Puerto Rico, 63; res. asst, soc. sci. prog, grad. sch. pub. health, Pittsburgh, 64; res. assoc. econ. anthrop, Oaxaca Markets Study, California, Los Angeles, 67-68; ASST. PROF. ANTHROP, MICH. STATE, 68-U.S.M. C.R., 55-59. Anthrop. Ass. Theoretical economic anthropology of peasant-artisan groups in Mexico; social anthropology of peasant-artisan groups in Mexico; social anthropology of peasant artisan stoneworking industry in Mexico, in press, Am. Anthropologist; The antimarket mentality re-examined: an essay in negation and counter-reflection, Southwest. J. Anthrop. Minet 69. Address: Dept. of Anthropology, Michigan State University, East Lansing, Mich. 48823.

COOK, DR. JAMES WYATT. English. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

COOK, DR. NEIL R, b. Denver, Colo, Nov. 25, 32; m. 59; c. 3. AGRICULTURAL ECONOMICS. B.S, Colorado State, 60; M.S, Nebraska, 62; Ph.D. (agr. econ), Okla. State, 64. Agr. economist, resource develop- econ. div, ECON. RES. SERV, U.S. DEPT. AGR, 61-64, leader, watershed econ. lab, NATURAL RESOURCE ECON. DIV, 53-67, LEADER SOUTH. RESOURCE GROUP, 67-U.S.M.C, 51-54, 5gt. Agr. Econ. Asn. Resource development economics; rural economic development; river basin development; estimation for need and value of resource development in selected river basins of the southeastern United States. Publ: Earnings of agricultural resources in Nebraska (Bull), Nebr. Quart. Agr. Exp. Sta, 64; Effects of upstream flood protection on land use (Bull), Okla. Agr. Exp. Sta, 5; co. auth, Evaluating flood prevention in upstream watersheds with an areal point sample—Interim Report, Washita River Basin, Oklahoma (Bull), Econ. Res. Serv, U.S. Dept. Agr, 67. Address: Natural Resource Economics Division, Economic Research Service, U.S. Dept. of Agriculture, Little Rock, Ark. 72207.

COOK, DR. PATRICK EDWARD, b. Williamsport, Pa. Mar. 28, 42; m. 62; c. 2. CLINICAL & COMMUNITY PSYCHOLOGY. B. A. Rochester, 64; Hogg Found, fel, Texas, 65-66, Ph.D. (gaychol), 66. Intern clin, psychol. & community ment. health, S. Shore Ment. Health Center, Quincy, Mass, 66-67, psychologist, 67-68; ASST. PROF. PSYCHOL, FLA. STATE, 68-, ASST. DIR. DOCTORAL PROG. CLIN. PSYCHOL, 69- Asst. field assessment officer, Univ. Texas-Peace Corps Afghanistan VIII Prol, spring 66; Fla. Div. Ment. Health res. grant, 69-70. Psychol. Ass. Personality assessment; evaluation of community mental health. Publ: Ed, introductory readings in community psychology and community mental health, Holden-Day, 70; co-auth, The community adaptation schedule and the California personality inventory: a validational study with college students, Community Ment. Health J, 10/70. Address: Dept. of Psychology, Florida State University, Tallahassee, Fla. 32306.

COOK, PROF. ROBERT GRANT. Business Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn. dept. mgt, Missouri, Columbia, 69- Address: 2700 Bayonne Court, Columbia, Mo. 65201.

COOK, PROF. ROBERT N(EVIN). Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

COOK, DR. THOMAS D. b. Birkenhead, Eng. July 31, 41; m. 69. PSYCHOLOGY, COMMUNICATION RESEARCH. B. A. Oxford, 63; Free Univ. Berlin, 61-62; Saarlandes, 63-64; Ph.D. (commun. res), Stanford, 67. Vis. asst. prof. PSYCHOL. North Carolina, 67-68; ASST. PROF. NORTHWESTERN, 68. Persistence of induced attitude change; demand characteristics in social psychological laboratory research; social conflict. Publi: Co-auth, The persistence of induced attitude change as a function of conclusion reexposure, 68 & Demand characteristics and three conceptions of the frequently deceived subject, 70, J. Personality & Soc. Psychol; auth, Temporal processes mediating attitude change after underpayment and overpayment, J. Personality, 69. Address: Dept. of Psychology, Northwestern University, Evanston, Ill. 60201.

COOKE, DR. GERALD, b. New York, N.Y. Mar. 9, 43; m. 64; c. 2. CLINICAL PSYCHOLOGY. B.A. Chicago, 63; U.S. Pub. Health Serv. fel. Iowa, 64-66, M.A. 65, Ph.D (psychol), 66. Psychologist, Norristown State Hosp, Pa, 66-67; ASST. PROF. PSYCHOL, WAYNE STATE, 67- Off. Econ. Opportunity grant-mem. res. team, Detroit Edison & Mich. Bell Tell. Co, 68- Consult, Mich. State Center Forensic Psychiat, 67-; psychiat. res. div. Herman Klefer Hosp, 67- Psychol. Asn. Psychotherapy research; forensic psychology; use of non-professionals in a psychotherapy research; forensic psychology; use of non-professionals in a psychotherapy research; forensic psychology; use of non-professionals in a psychotherapy research; forensic psychology; and components of reciprocal inhibition psychotherapy. J. Ahnorm. Psychol, 73: 464-467; The court study unit: patient characteristics and a comparison of patients judged competent and incompetent, J. Clin. Psychol, 25: 140-143. Address: 2277 Dorchester N, Troy, Mich. 48084.

COOMBS, DR. ROBERT H(OLMAN). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Res. specialist, Calif. State Dept. Ment. Hyg, 70-Address: Research Dept, Camarillo State Hospital, Camarillo, Calif.

COONS, PROF. ALVIN E(MERY). Economics. See 11th ed, Soc. & Behav. Vols, deceased 68.

COOPER, PROF. ALLEN LAMAR. Christian Social Ethics. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

COOPER, PROF. JAMES G(ORDON). Education. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir, 69-, College of Education Research Center, University of New Mexico, Albuquerque, N.Mex. 87106.

COOPER, PROF. JOHN C. Philosophy of Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

COOPER, PROF. JOHN ROBERT, b. Greenville, S.C., June 1, 34; m. 59. ECO-NOMICS. B.S, Clemson, 55, M.S, 57; Ph.D.(econ), Virginia, 67. Instr. econ, Col. Charleston, 57-58, asst. prof, 58-60; instr. Virginia, 60-63; assoc. economist, Fed. Reserve Bank of Atlanta, 63-64; assoc. prof. ECON, WIN-THROP COL. 64-69, PROF, 69-, DIR. ACAD. PLANINIO & INSTUL. RES, 70-, dir. instnl. res, 68-70. Consult, S.C. Cmn. Higher Ed, 67-68. Pub. Choice Soc. Money and banking; economics of education; public finance. Address: Box 5001, Winthrop College, Rock Hill, S.C. 29730.

COOPER, DR. RUTH. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Oak Hills, Calverton, N.Y. 11933.

COOPER, PRÖF. SAMUEL, b. New York, N.Y., Oct. 27, 14; m. 47; c. 3. LAW, ECONOMICS. B.S. in Ed, City Col. New York, 36; LL.B, St. John's (N.Y.) 38, J.S.D, 39; B.S. Hopkins, 50. Lawyer, Ironside & Mahony, 37-41; dir. U.S. Housing Authority, 41-42; assoc. prof. law & finance & chmn. dept, BALTIMORE, 66-70, PROF. LAW & ACCT. & CHMN. DEPT, 70- Private practice, attorney, 45- Cert. Pub. Acct, Md. U.S.A, 42-45, Sgt. Anti-trust acts. Publ: Co-auth, Unification of Europe, George Washington Univ. 52. Address: 6808 Pimilco Dr, Baltimore, Md. 21209.

COOPER, DR. SANDI ELAINE. Modern History, History of Peace. See 5th Ed, Dir. Am. Scholars, Vol. 1, Hist.

COOPER, PROF. W(ILLIAM) W(AGER). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also prof. pub. policy & dean, 68-, School of Urban & Public Affairs, Carnegie-Mellon University, Pittsburgh, Pa. 15213.

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COPELAND, DR. JOHN W(ILSON). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

COPEN, DR. MELLYN R(OBERT), b. New York, N. Y., Jan. 23, 38; m. 60; c. 2. INTERNATIONAL BUSINESS, PRODUCTION MANAGEMENT. S. B. Mass. Inst. tc., h. 8, S. M., 59; Ford. Found, 61. 6. D. B.A., Harvard, 67. Prod. mgt, Gen. Elec. Co, 59-61; prog. assoc. estab. grad. sch. in India, Harvard Bus. Sch. & Ford Found, 63. 66; Fes. fel. prod. mgt, Harvard Bus. Sch. & Ford Found, 63. 66; Fes. fel. prod. mgt, Harvard Bus. Sch. & Ford Found, 63. 69, ASSOC. DEAN, 69-U.S.A.R, 59-65. San. Ed. Int. Bus; Acad. Mgt. Problems concerning introduction of technological change, especially as they affect culture. Publ: Co-auth, Production management, text and cases, National, India, 70 & International management and economic growth, McGraw, (in press). Address: College of Business, University of Houston, Houston, Tex. 77004.

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COPPOCK, PROF. JOSEPH D(AVID). Economics. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New information: Rockefeller vis. prof. Thammasat Univ, Thailand, 69-71. Address: Dept. of Economics, Pennsylvania State University, University Park, Pa. 16802.

COPPOLILLO, DR. HENRY, b. Cervicati, Italy, July 27, 26; U.S. citizen; m. 62; c. 1. PSYCHIATRY. M. D. Rome, 55: Intern. Cook County Hosp. III, 55-56; res. psychiat, Chicago, 56-59; asst. attending physician, Michael Reese Hosp, 59-61, pediat. Italson psychiatrist, 61-65, assc. chief child psychiat, 63-65, asst. prof. med. sch. Michigan, 66-68, dir. day care serv, Children's Psychiat. Hosp, 66-68, ASSOC. PROF. PSY-CHIAT. & ASSOC. CHIAT. & ASSOC. CHIAT. & ASSOC. CHIAT. & Resc. asst. psychiat, Northwestern, 59-61; fel, Michael Reese Hosp, Chicago, 61-63. Child psychiat. consult, McLean County Health Clin, III, 59-66; med. sch, Wisconsin, 64. U.S.N, 44-46. Psychiat. Ass., Acad. Child Psychiat. Personality development; child and adult psychiatry and psychoanalysis. Publi Maturational aspects of the transitional phenomenon, Int. J. Psychoanal, '767; co-auth, Psychopathology of childhood, in: Current diagnosis, Saunders, 68; auth, Technical considerations in child psychiatry, J. Am. Acad. Child Psychiat, 7/69. Address: Neuropsychiatric Institute, University of Michigan Hospital, Ann Arbor, Mich. 48104.

CORAZZINI, DR. ARTHUR JOHN. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Economics, Tufts University, Medford, Mass. 02155.

CORBALLIS, DR. MICHAEL, b. Marton, N.Z, Sept. 10, 36; m. 62; c. 1. EX-PERIMENTAL PSYCHOLOGY, STATISTICS. B.Sc, Victoria, N.Z, 58, M.Sc, 59, B.A, 61; M.A, Auckland, 62; British Commonwealth scholar; McGill, 63-65; Ph.D. (psychol), 65. Lectr. PSYCHOL, Auckland, 66-68; ASST. PROF, McGILL, 68- Psychomet. Soc; assoc. mem. Can. Psychol. Asn; Brit. Psychol. Soc; N.Z. Psychol. Soc. Short-term memory and information processing in humans; discrimination learning; mathematical psychology. Address: Dept. of Psychology, Stewart Biology Bldg, McGill University, Montreal, Que, Can.

CORBIN, DR. HORACE H(ARLAN). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Dept. of Psychology & Education, Mt. Holyoke College, South Hadley, Mass. 01075.

CORBIT - COVER

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- CRAMTON, PROF. ROGER C. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- CRANDALL, DR. MAUREEN S, b. New Haven, Conn, June 30, 41; m. 66. ECONOMICS. A.B, Smith Col, 62; A.M, Northwestern, 65, Am. Asn. Univ. Women fel, 65-66, Ph.D.(econ), 69. Instr. ECON, WELLESLEY COL, 67-69, ASST. PROF, 69-Econ. Asn. Monetary theory and policy; economics of particular industries. Publ: Co-auth, Instructors manual for Samuelson text, McCraw, 70. Address: Dept. of Economics, Wellesley College, Wellesley, Mass. 02181.
- CRANNY, DR. CHARLES J, b. Delmar, Iowa, July 24, 35; m. 60; c. 3. PSY-CHOLOGY. B.S, Iowa State, 62, M.S, 65, Ph.D.(indust. psychol), 67. Instr. PSYCHOL, Iowa State, 63-66; ASST. PROF, BOWLING GREEN STATE, 66-Lectr, Drake, 64-66. Consult, U.S. Air Force Opers. Anal. Standby Unit, Iowa State Univ, 66-U.S.A, 64-56, Res, 56-62. Psychol. Asn. Industrial psychology, particularly measurement and prediction, work attitudes and iraining. Publ: Co-auth, Non-verbal language for colors, 67 & Effort ratings of a random sample of CVCs, 69, Perceptual & Motor Skills; Psychology of men at work, Ann. Rev. Psychol, 68. Address: Dept. of Psychology, Bowling Green State University, Bowling Green, Ohio 43402.
- CRANZ, PROF. F(ERDINAND) EDWARD, Intellectual History. See Volume 1, History.
- CRAW, DR. ALEXANDER R. Mathematics, Operations Research. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- CRAWFORD, BILLY MAX, b. Erick, Okla, July 2, 30; m. 57; c. 2. ENGINEERING & INDUSTRIAL PSYCHOLOGY. A. B. Oklahoma Baptist, 54; M. S. Okla. State, 57; univ. eft., Tex. Tech. Co.], 57-59; U.S. Air Force fel, Ohio State, 63-64. Instr. psychol, Tex, Tech. Co.], 58-59; ENG. RES. PSYCHOLOGIST, AEROSPACE BED. RES. LAB, DEPT. AIR FORCE, 59 A. U.S. 48-49, 50-51. Human Factors Soc. Learning theory; psychophysics; visual perception; manual control; maintainability and man-machine system design. Publ: Joy stick vs multiple levers for remote manipulator control, 2/64 & co-auth, Judgments of relative distance based on separate 2-D TV views, 10/67, Human Factors Soc; Designing for maintainability, In: Human regineering guide to equipment design, McGraw-Hill, rev. ed, 69. Address: 388 Fairway Dr, Fairborn, Ohio 45324.
- CRAWFORD, DR. MEREDITH P(ULLEN). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Pres, 69-, HumRRO, 300 N. Washington St, Alexandria, Va. 22314.
- CRAWFORD, PR. MICHAEL H, b. Shanghai, China, July 25, 39; U.S. citizen; m. 81; c. 1. ANTHROPOLOGY, CENETICS. B.A. Washington (Seattle), 60, M. A., 65, Ph.D. (anthrop), 67; Nat. Sci. Found. summer fel. California, Berkeley, 64; Wenner-Gren Found. summer fel. to U.S.S.R., 64. Res. asst. surg. Washington (Seattle), 61-63, teaching asst. anth&p, 63-65, mem. res. staff, primate center, 65-67; ASST. PROF. ANTHROP, PITTSBURGH, 67-BIOSTATIST, 68-, summer res. grants, int. center, 65-69. Menner-Gren Found. res. grant, 69-70. U.S.N., 60-61. Anthrop. Asn. Soc. Human Genetics; Asn. Phys. Anthrop. Brit. Soc. Study of Human Biol; Int. Asn. Human Biol. Human biology of central Mexico; microevolution in an Alpine genetic isolate in northern Italy; evolution in the city; protein evolution in primates; human behavioral genetics. Publ: Ed, Man's evolution in the city, Chandler-Davis, 70; auth, Hemoglobin polymorphism in macaca nemestrina, Science, 154: 398-399 & Trends in genetics and biological anthropology, In: Biennial review of anthropology, Stanford, 70. Address: Dept. of Anthropology, University of Pittsburgh, Pittsburgh, Pa. 15213.
- CRAWFORD, DR. PAUL LEONIDAS. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chum, 68., Dept. of Psychology, West Virginia State College, Institute, W.Va. 25112.
- CRAWFORD, PROF. ROBERT PLATT. Journalism. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- CRAWSHAW, DR. MARSHALL RICHARD. Educational Psychology. See A-K Vol., 11th ed, Soc. & Behav. Vols. New position: Counseling psychologist, Vet. Admin, 68-& chmn. voc. rehab. bd, regional off, Los Angeles. Address: 1080 Busch Cardens Court, Pasadena, Calif. 91105.
- CREGIER, PROF. DON MESICK. British & American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

- CREGO, DR. CLYDE A. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address; Consult. psychologist, U.S. Govt, 69- Address; 6709 Bracken Court, Springfield, Va. 22152.
- CRESPI, DR. LEO P(AUL). Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dep. asst. dir, 69-, Office of Research & Assessment, U.S. Information Agency, 1750 Pennsylvania Ave. N.W, Washington, D.C. 20547.
- CRESPI, DR. MURIEL, b. New York, N.Y, Dec. 6, 29. ANTHROPOLOGY, B.A, Brooklyn Col., 59; M.A, Columbia, 62; Ph.D. (anthrop), Illinois, Urbana, 68. ASST. PROF. ANTHROP, HUNTER COL, 68- Nat. Inst. Ment. Health grant, 69-70; City Univ. New York faculty fel, summer 69. Anthrop. Asn. Relationships between peasant and other sectors in Latin American society, particularly as these affect stability and change in peasant social systems. Address: Dept. of Anthropology, Hunter College, 695 Park Ave, New York, N.Y. 10021.
- CRESSEY, DR. WILLIAM W(HITNEY). Spanish Linguistics. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.
- CRESSY, PROF. EARL H(ERBERT). Chinese Studies. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- CRIGLER, DR. T. P. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Mgt. econ. res. & develop, Armour Chem. Indust, Armour & Co, 63-, asst. to group v.pres, Indust. Prod. Group, 66- Address: Armour & Co, 401 N. Wabash Ave, Chicago, Ill. 60611.
- CRISP, DR. LLOYD, b. Montrose, Colo, Sept. 12, 31; m. 54; c. 4. SPEECH. M.A, San Francisco State Col, 60; Ph.D. (commun. methodology), Denver, 67. Asst. prof. SPEECH, SAN FRANCISCO STATE COL, 60-67, ASSOC. PROF. 67-, CHMN. DEPT, 69- Dept. Health, Ed. & Welfare fel, 68-69. Speech Asn. Am. Interpersonal communications; communications theory. Publ: Campus soap box, Lib. Democrat, 6/63; co-auth, Subordinate ethos and leadership attitudes, Quart. J. Speech, 12/67. Address: Dept. of Speech, San Francisco State College, San Francisco, Calif. 94132.
- CRISSEY, DR. ORLO L(EE). Industrial Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Independent consult, psychologist, 70- Address: 6317 Morrish Rd, Swartz Creek, Mich. 48473.
- CROCKER, DR. THOMAS D, b. Bangor, Maine, July 22, 36; m. 61; c. 1. ECO-NOMICS. A.B. Bowdoin Col., 59; Ph.D. (agr. econ). Missouri-Columbia, 67. Instr. ECON, Wisconsin-Milwaukee, 63.-67, asst. prof, 67-79; ACTING ASSOC. PROF, CALIFORNIA, RIVERSIDE, 70- Prin. investr, Nat. Insts. Health res. grant, 66-68; U.S. Pub. Health Serv. contract, 69-70. Consult, Nat. Air Pollution Control Admin, U.S. Pub. Health Serv, 66-; Int. Res. & Tech. Corp. D.C., 69- Econ. Asn; Agr. Econ. Asn; Air Pollution Control Asn. Natural resource economics; microeconomic theory; applied econometrics. Publ: Some economics of air pollution control with special reference to Polk County, Florida, U.S. Pub. Health Serv, 68; The structuring of atmospheric pollution control systems, In: The economics of air pollution, Norton, 66; Some economic aspects of air pollution control, Natural Resources J, 4/68. Address: Dept. of Economics, University of California, Riverside, Calif. 92502.
- CROCKER, PROF. WILLIAM LUCKEY, b. Birmingham, Ala, Apr. 24, 26; m. 52; c. 3. EDUCATIONAL PSYCHOLOGY, EDUCATION. B.S. Alabama, 47, M.A, 52, Ed.D.(curriculum instr), 58. Teacher, Greenwood Jr. High Sch, 47-49; Oak Grove, 49-52, prin, 55-57; Alliance Jr. High Sch, 54-55; asst. prof. psychol, Florence State, 58-60, secondary ed, Rutgers, 60-61; PROF. PSYCHOL, FLORENCE STATE, 61-, CHMN. DEPT, 69-Address: 2030 Conway Dr. Florence, Ala. 35630.
- CROLEY, DR. HUGH T(HOMAS). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Ford Foundation, P.O. Box 2344, Cairo, Egynt.
- CROMER, DR. WARD J, b. Emmetsburg, Iowa, Apr. 7, 40. PSYCHOLOGY. B. A, Oberlin Col, 62; M. A, Clark, 64, Ph. D. (psychol), 68. ASST. PROF. PSYCHOL, WELLESLEY COL, 68. CHMN. DEFT, 70. Res. assoc, Clark, 68.; U.S. Off. Ed. res. grant, 69-70. Psychol. Asn. Reading and reading disability; college mental health. Publ: Co-auth, Reading and reading disability; college mental health. Publ: Co-auth, Reading and reading difficulty: a conceptual analysis, Harvard Ed. Rev, fall 67; auth, A clinical psychologist's approach to the teaching of personality theory, Clin. Psychologist, spring 69; auth, The difference model: a new explanation for some reading difficulties, J. Ed. Psychol. (in press). Address: Dept. of Psychology, Wellesley College, Wellesley, Mass. 02181.
- CROMWELL, PROF. RUE L(eVELLE). Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chief div. psychol, 69-, Lafayette Clinic, 951 E. Lafayette, Detroit, Mich. 48207.
- CRONIN, DR. WALTER F, b. Oneida, N.Y, Aug. 16, 17; m. 47; c. 2. POLITI-CAL SCIENCE, HISTORY, A.B., Hamilton Col, 38; A.M., Fletcher Sch. Law, 39; Ph.D. (polit. sci), Harvard, 50. With indust. corps, 39-42; researcher, U.S. Dept. State, 49-87; HISTORIAN, U.S. DEPT. TRANSPORTATION, 67-U.S.A, 42-46, Capt. Polit. Sci. Ass.; Hist. Asn. United States diplomatic history; developing countries, particularly development of political institutions; history of the United States Department of Transportation and its programs. Address: 607 Poplar Dr, Falls Church, Va. 22046.
- CRONKHITE, DR. GARY L(YNN), b. Dallas City, Ill, Sept. 21, 35; m. 57; c. 2. SPEECH, PSYCHOLOGY. A.B., Greenville Col, 57; M.S., Illinois State, 61; Ph.D. (speech), Iowa, 65. Instr. speech, Illinois, 64-65, asst. prof, 65-67; ASSOC. PROF. SPEECH & PSYCHOL, ILLINOIS STATE, 67- Speech Asn. Am; Nat. Soc. Study Commun; Psychol. Asn. Attitude theory and measurement; persuasion and argumentation; psycholinguistics. Publ.; Persuasion; speech and behavioral change, Bobbs-MerrIII, 69; co-auth, Frustration and

language intensity, 6/65 & auth, Autonomic correlates of dissonance and attitude change, 11/66, Speech Monogr. Address; Dept. of Speech, Illinois State University, Normal, III, 61761.

CROOK, PROF. DOROTHEA JOHANNSEN. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof, 68-, Dept. of Psychology, Tufts University, Medford, Mass. 02155.

CROOK, DR. MASON N(ELSON). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 69- Address: 84 Woods Ave, Somerville, Mass. 02144.

CROOK, PROF. MILTON PRICE, JR. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Political Science, Prairie View Agricultural & Mechanical College, Prairie View, Tex. 77445.

CROOKS, DR. EDWIN WILLIAM. Business Administration. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Chancellor, 69-, Indiana University Southeast, Jeffersonville, Ind. 47130.

CROPLEY, DR. ARTHUR JOHN), b. Marree, S. Australia, Dec. 31, 35; m. 62; c. 2. PSYCHOLOGY. B. A, Adelaide, 57, Dip. Ed. 60; M. Ed., Alberta, 63, Ph. D. Idea, psychol.), 65. Schoolteacher, Australia, Eng. & Can., 56-61; lectr. PSYCHOL, Univ. New England, Australia, 65-67; asst. prof, SASKATCHE-WAN, REGINA, 61-69, ASSOC. PROF, 69 - Australian Army, 54-56, 5gt. Am. Psychol. Asn, Australian Psychol. Soc. Nature and organization of intellectual abilities, especially creativity, experimental psychopathology. Publ. Creativity, Longmans, London, 67 & 69, U.S. ed, Humanties, 69, Italian ed, Nuova Italia Editrice, 69, Swedish ed, Almqvist & Wiksell, 70, German ed, 70 & Danish ed, Gyldendal, 71; co-auth, Objective therapy predictors in depression, J. Clin. Psychol, 70 & A biochemical correlate of divergent thinking, Can. J. Behav. Sci, 70. Address: Dept. of Psychology, University of Saskatchewan, Regina, Sask, Can.

CROSS, DR. JOHN FRANCIS, b. Sept. 24, 32; U.S. citizen; m. 60; c. 4. PSY-CHOLOGY. A.B., St. Peter's Col., 54; M.A., Fordham, 61; Ph.D. (psychol), St. Louis, 64. Sr. eng. psychologist, McDonnell Aircraft Corp, 64-66; ASST. PROF. EXP. PSYCHOL, ST. LOUIS, 66. Nat. Sci. Found. summer fel. math. psychol, Mchigan, 68. U.S.N. R, 54-62; Lt. ([g). Psychol. Asn. Astronaut training devices and programs; vertical and standard take off and landing aircraft; human engineering; visual motion perception; developmental aesthetics. Publ: Misperception of rotary motion, Perception & Psychophysics, 2: 94-96; co-auth, Visual and factual interaction in Judgements of the vertical, Psychonomic Sci, 4: 145-146. Address: 6147 Kingsbury, St. Louis, Mo. 63112.

CROSS, DR. ORRIN H(ARTSHORN). Psychology. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New posttion & address: Assoc. prof, 70-, Dept. of Psychology, University of Temessee at Chattanoga, Chattanoga, Tenn. 37403.

CROSSLAND, DR. HUGH J. Law, Government. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

CROUCH, DR. JOYCE G(REER), b. Riverton, Tenn, Dec. 25, 25; m. 44; c. 2. EDUCATIONAL PSYCHOLOGY, GUDANCE. B.S, Tennessee Tech, 54, M.A, 59; Ed. D(ed. psychol, guid), Tennessee, Knoxville, 68. Teacher, Pine Haven & York Elem. Schs, 54-59; Eng. Alvin C. York Agr. Inst, 59-66, counsr, 65-66. ASSOC. PROF. PSYCHOL. APPALACHIAN STATE, 67-Psychol. Asn. Attitudes as a part of a behavioral system. Address: Dept. of Psychology, Appalachian State University, Boone, NC. 26007.

CROW, PROF. WAYMAN J(OSEPH). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir, 69-, Western Behavioral Sciences Inst, 1150 Silverado, La Jolla, Calif. 92037.

CROWDER, DR. ROBERT G(EORGE). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Psychology, Yale University, 333 Cedar St, New Haven, Conn. 06520.

CROWE, DEAN ROBERT M, b. Providence, R.I., July 21, 35; m. 59; c. 3. ECONOMICS, FINANCE. B.S.B.A, Boston Col, 57; M.A, Pennsylvania, 60, Ph.D.(econ, ins), 63. Asst. prof. finance & ins, Northeastern, 59-61; dir. exam, Am. Col. Life Underwriters, Pa, 61-64; assoc. prof. ins. & holder Hipp chair of ins, South Carolina, 64-66; asst. v. pres, res. admin, 66-68; PROF. ECON. & DEAN COL. BUS. ADMIN, TULSA, 68- Consult, S.C. Gen. Assembly, 64-65. C.L.U, Am. Soc. Chartered Life Underwriters, 62; C.P.C.U, Am. Inst. Property & Liability Underwriters, 66. Risk & Ins. Asn. Publ: Co.-auth, Group insurance handlook, Irwin, 65; auth, Evaluating rate making systems, Chartered Property & Liability Underwriters Ann, fall 64; co-auth, The meaning of risk, J. Risk & Ins, 9/67. Address: College of Business Administration, University of Tulsa, Tulsa, Okla. 74104.

CROWELL, DR. ARETA, b. Claresholm, Alta, Dec. 13, 35; m. 56; c. 2. SO-CIAL PSYCHOLOGY. B.Sc. McGill, 56, M.Sc., 58, Ph.D. (psychol), 62. Res. asst, Aluminum Co. Can, 56-57; dept. psychol, McGill, 57-66; asst. psychol. Fairleigh Dickinson, 62-66, asst. dir. psychol. M.A. in teaching prog. 65-66; res. analyst, eval. & res. div, LOS ANGELES COUNTY DEPT. MENT. HEALTH, 66-68, res. consult, planning sect, 68-69, acting head, EVAL. & RES. DIV, 69, CHIEF, 69. Consult, Calif. Conf. Local Community, Ment. Health Dirs, 70-Am. Psychol. Asn. Soc. Psychol. Study Soc. Issubs; Fedn. Am. Sci; Can. Psychol. Asn. Planning, development and evaluation of community mental health services, including establishment and use of necessary demographic, community and patient data bases for these purposes. Publ: Effect of early upon later decisions, In: Decision making in the employment interview, McGill Univ, 64; co-auth, Attitude change as a function of intensive training, dogmatism and authoritarianism, Psychol. Reports, 66. Address: Evaluation & Research Division, Los Angeles County Dept. of Mental Health, 1106 S. Crenshaw Blvd, Los Angeles, Calif. 90019.

CROWELL, DR. GEORGE H(ARVEY). Christian Ethics, Social Action. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

CROWLEY, DR. DAVID E(SMOND). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof. physiological acoustics, 69-, Division of Communicative Disorders, Washington University School of Medicine, 724 S. Euclid Ave, St. Louis, Mo. 63110.

CROWLEY, DR. FRANCIS J(OSEPH). Psychology. See A-K Vol. 11th ed. Sov. & Behav. Vols. Change of address: School of Education, Fordham University, Lincoln Center, New York, NY. 10023.

Soc. & Behav. Vols. Change of address: School of Education, Fordham University, Lincoln Center, New York, N.Y. 10023.

CRUICKSHANK, PROF. WILLIAM M, b. Detroit, Mich, Mar. 25, 15; m; c. 3. PSYCHOLOY, EDUCATION. A.B. Eastern Michigan, 45. Spec. ed. exec. Boy's Voc. Sch. Lansing, Mich. 38-40; Michigan, 45. Spec. ed. exec. Boy's Voc. Sch. Lansing, Mich. 38-40; Michigan, 46. Rockham Sch. Spec. Ed, Eastern Michigan, 40-42; American Army Grackham Inspeychologist, war dept. & Army U.S. 42-45; Margaret O. Slocum distinguished prof. ed. & psychol. & dir. div. spec. ed. & rehab, Syracuse, 46-67, dean div. summer sessions, 53-66; PROF. PSYCHOL. & ED, SCH. PUB, HEALTH, PROF. ED, SCH. ED, PROF. PSYCHOL, COL. LIT, Sci. & ARTS & DIR. NST-5TUDY MEDR. T. RETARDATION, MICHIGAN, 67-Fubright lectr. & assoc. dir. Inst. San Gabriel Archangel, Lima, 62-63 & 68; mem. bd. consults, center res. except. children, North Carolina, Chapel Hill, 69-yis. prof, Texas Women's Univ; Fla. State; State Univ. N.Y. Col. Buffalo; Oregon; Ohio State; vis. lectr, Northwestern, Yeshiva; Uppsala; San Marcos Univ, Lima; Kumamato; Birmingham. Adv. Ed. Policies Cmn; mem. adv. bd, Pathway Sch, Phila, Pa; ed. consult, Teaching Resources, Inc, Mass; clin, psychol. consult, Vet. Admin; psychol. consult, N.Y. State Asn. for Cripple Children & Adults, Ine; consult, nuerous U.S. Govt. progs. dealing with handicapped children & youth. Mem. bd. dirs, Cove Sch, Wis; ed. adv. cmt, Am. Found. for Blind; spec. ed. res. adv. cmt, United Cerebral Palsy Asn; coun. Except. Children; mem. ed. adv. cmt, Am. Found. for Blind; spec. ed. res. adv. cmt, Conspire, Press. Div. Teacher Ed. Coun. Except. Children; mem. ed. adv. cmt, Am. Found. for Teachers of Except. Children; mem. ed. adv. cmt, Fed. Epilepsy Found; mem. can. U.S. Ment. Retardation Study Group, 68: mem. state adv. cmt, Dept. Ed, Govt. Am. Samoa, 69- Hon. prof. San Marcos Univ, Lima, 62. Fel. Asn. Ment. Deficiency; Acad. Ment. Deficiency; Acad. Cerebral Palsy; ele. Psychol. Asn. Samoa, 69- Hon. prof. San Marcos Univ,

CRUIT, MICHAEL S, b. Washington, D.C, Feb. 12, 29; m. 51; c. 2. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.A. The Citadel, 52; U.S. Agency Int. Develop, grant, Syracuse, 68-69, M.P.A, 69. Intel. officer, Strategic Air Command, U.S. Air Force, 52-59; mgt. analyst, Interstate Commerce Cmn, 60-61; pub. admin. prog. asst, Mission to Pakistan, U.S. AGENCY INT. DEVELOP, 61-64, ed. prog. asst, Mission to Afghanistan, 64-66, asst, prog. officer, 66-68, PRG, OFFICER, MISSION TO PAKISTAN, 69- U.S.A.F, 52-59, Capt. Soc. Pub. Admin; Polit. Sci. Asn; Nat. Planning Asn. Planning and administration of overseas programs for economic and social development. Address: 6402 Winston Dr. Bethesda, Md. 20014.

CRUM, DR. BLAINE C, b. Newport News, Va, June 30, 39; m. 63; c. 2. PSY-CHOLOGY. B.S., Old Dominion, 63; M.S., Georgia, 64, Ph.D.(clin. psychol), 68. Clin. inhern, Milledgeville State Hosp, 68-67; ASST. PROF. PSYCHOL, Georgia, 67-68; SOUTH ALABAMA, 68. Consult, Voc. Rehab. Serv. 68-U.S.A.R. 67-68. Behavior modification; established token economy on chronic psychotic wards; verbal conditioning; attitudes of psychiatrists toward psychological services. Address: Dept. of Psychology, University of South Alabama, Mobile, Ala. 36608,

CRUMPLER, JAMES P, b. Mt. Holly, Ark, Feb. 7, 27; m. 63. INDUSTRIAL PSYCHOLOGY. B.A, Arkansas, 49, M.A, 51; N.Y. Univ, 53-55. Staff psychologist, Richardson, Bellows, Henry & Co. Inc, 51-53; proj. dir, Nowland & Co. Inc, 53-57; proj. engr., Videosonic Systs, Div, Hughes Aircraft Co, 57-59; mgr., Appl. Commun. Systs, Div. Litton Industs, Inc, 59-62; proj. chief. N.Am. Rockwell Corp, 62-68; ASSOC. DIR, GEN. BEHAV. SYSTS. INC, TOR-RANCE, 68-1 Lectr., Cornell, 65- Human factors res. consult, sch. dent, California, 53-58. U.S.N, 45. Psychol. Asn. Instruction system design, closed circuit television; educational program evaluation; attitudinal surveys. Publ. Co-auth, Closed circuit television systems for industry and fechnology, Wiley, 70. Address: 4116 Admirable Dr, Portoguese Bend. Calif. 80274.

ogy, Wiley, 70. Address: 4116 Admirable Dr, Portuguese Bend, Calif. 90274.

CRUTCHFELD, PROF. JAMES ARTHUR, JR, b. New London, Com, Sept. 9, 18; m. 48; c. 3. ECONOMICS. B.A., California, Los Angeles, 40, M.A., 42; Ph.D. (econ), California, Berkeley, 54. Teaching asst. econ, California, Los Angeles, 40-42; economist, San Diego & Los Angeles Dist. Off, Off. Price Admin, 42-45; teaching asst. econ, California, Berkeley, 46, lectr, sch. bus. admin, 47-49; from asst. prof. to PROF. ECON, WASHINGTON (SEATTLE), 49- Economist, Seattle Regional Off, Off. Price Stabilization, 50-51; res. grants, Resources for Future, Inc., 56. & 60-62, Wash. State Dept. Pisheries, 56, 62, 63 & 66-67, U.S. Pish & Wildlife Serv, 57-59 & 61-62, UN Proof & Agr. Orgn, 62, Nat. Sci. Found, 66-67 & 69-70, Wash. State Dept. Water Resources & Fed. Water Pollution Control Admin, 691. Consult, L. P. Smith & Co, 54-55; Ore. State Col, 55-56; U.S. Pish & Wildlife Serv, 62; U.S. Coast & Geod. Surv, 65. Resources Agency of Calif., 65-66; Kalser Industs. & State of Calif., 67-66; UN Develop, Planning, Lake Victoria Pisheries Res. Prof., Uganda, 67-68. Chmn, Faculty Seminar on Pub. Policy Issues in Natural Resources, Washington (Seattle), 64-, mem, Marine Sci. Res. Cmt., 65-66, hm, Water Resources Res. Group, 65-, mem. Water Res. Conter, Washington (Seattle), 64-, mem. adv. cmt. fisheries res, Nat. Acad. Sci., 65-, ev. panel for sea grant proposals, 68-2; int. Cmn. of N. Atlantic Fisheries Working Group on Econ. & Biol. Assessment of Fishery Regulation in N. Atlantic, 66-67; Gov. Fishery Adv. Cmt. Wash, 66-, Gov. State Planning Adv. Com., 67-, Nat. Cmn. Marine Sci., Eng. & Resources, 68-69. Participant, conf. fishery econ, Int. Econ. Asn, Rome, 56; tech. assistance expert, UN Food & Agr. Orgn, Uganda

& Kenya, 57-58, group country proj, Argentina, Uruguay & Brazil, 60, tech. consult, Conf. on Costs & Earnings of Fishing Enterprises, London, 58, dir, Training Center in Fishery Surv. & Develop, Planning, 59, participant, Conf. Fishery Regulation, Montreal, 61, World Tuna Conf. Calif, 62, participant & tech adv. Conf. Bus. Decisions, Rome, 64, chief mission, UN Spec. Fund Mission to Ghana, 64 & Spec. Fund to Nigeria, 65; participant, Fed. Reserve Seminar, Calif, 59; participant & rapporteur, Am. Assembly Regional Conf. Monetary Policy, 59; participant, Alaska Conf. AAAS, 59-60; del, Univs. Conf. Water Resources, 64-68; mem, Int. Oceanog. Found. Econ. Asn. Natural resource economics, especially fisheries, water, air and environmental quality; industrial organization and policy. Publ: Co-auth, Economic aspects of the Pacific Halibut Fishery, Govt. Printing Off, 62, The Pacific Ballow Fishery: a study of irrational conservation, Johns Hopkins, 69 & Benefit cost analysis and the time profile of benefits and costs, Water Resources Res, 4/68. Address: Dept. of Economics, University of Washington, Seattle, Wash. 98105.

CRUTTENDEN, DR. CHARLES H(ERBERT). Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Instr, 69-, School of Architecture, California State Polytechnic College, San Luis Obispo, Calif. 03401

CUEVAS-SOSA, DR. ALEJANDRO. Human & Medical Genetics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

CULBERTSON, PROF. FRANCES M. b. Boston, Mass, Jan. 31, 21; m. 47; c. 4. CLINICAL & SOCIAL PSYCHOLOGY. B. S. Michigan, 47, M.S. 49, Ph.D. (psychol), 55. Res. psychologist, Children's Hosp, 57; Cent Wis. Colony & Training Sch, 58-59; Univ. Wisconsin & State of Wis. fel. clin. psychol, 59-62; clin. psychologist, Wis. Diag. Center, 62-65; acting chief clin. psychol, sch. med. Wisconsin, 65-66; res. psychologist with Dr. M. Singer. Berkeley, Calif., 66-67; sch. psychologist, bd. ed, Madison, Wis. 67-68; PROF. PSYCHOL, WIS. STATE, WHITEWATER, 68- Consult & sch. psychologist, campus sch., Wis. State, Whitewater, 68- Psychol. Asn. Soc. Psychol. Study Social Issues. Psychodrama; visual-motor disorders; group therapy with children; twins, social and psychological characteristics. Publ: Modification of an emotionally-held attitude through role playing, J. Abnorm. & Soc. Psychat, 3, 57; Chap. 19, In: The adolescent, a book of readings, Holt, 60; Comparison of the Bender-Gestalt test and frostic test in several clinical groups of children, J. Clin. Psychol, 10/66. Address: Dept. of Psychology, Wisconsin State University, Whitewater, Wis. 53190.

CULLEN, DR. JOHN F(RANCIS), b. Janesville, Minn, Jan. 24, 34; m. 57; c. 3. CLINICAL PSYCHOLOGY. A.B., St. Mary's Col., 56; Winthrop fel, Catholic Univ, 38-59, M.A., 60; Ph.D. (clin, psychol), Ottawa, 65. Psychol. intern, Vet. Admin. Hosp, Perry Point, Md, 99-60; clin, psychologist, Lorton Reformatory, Dept. Corrections, D.C., 60-61; coordinator res, Rehab. Inst. Ottawa, 62-65, clin, psychologist, 65-67; AVIATION PSYCHOPYISIOLO-GIST, UNITED AIR LINES, DENVER, 67- Lectr, St. Patrick Col., Carleton Univ, 66-67; patrner, Psychol. Asn. Asn. Aviation Psychol; Aerospace Med. Asn. Psychological aspects of disability, accident and liability, human factors in aviation. Publ: What is behavioral science?, In: The behavioral Sciences in correctional practice, Govt. D.C., 62; co-auth, Perceptual style differences between airline pilots and engineers, Aerospace Med, 69 & A study of simulated airline pilot incapacitation, In: Free Communication, Int. Cong. Aerospace Med, 69. Address: 6140 Rosewood Dr, Littleton, Colo. 80120.

CULLEN, DR. JOSEPH WARREN, b. Boston, Mass, Nov. 11, 36; m. 64; c. 1. PSYCHOLOGY, PHYSIOLOGY, A.B. Boston Col. 61, A.M. 65; Tufts, 61-62; univ. fel, Pla. State, 65-67, U.S. Pub. Health Serv. fel, 67-68, Ph.D. (exp. psychol), 68. Instr. psychol, Pean Jr. Col. Mass, 64-65; res. assoc, PAV-LOVIAN LAB, VET. ADMIN HOSP, 68-70, RES. PSYCHOLOGIST, 70-AAAS; Psychol, Asn. Behavioral nutrition and endocrinology; taste and behavior. Public Effect of a preoperative sugar preference on bar pressing for salt by the adrenalectomized raf & Modification of salt-seeking behavior in the adrenalectomized via gamma-ray irradiation, 69 & Effect of a polydipsia for saccharin-glucose on NaCl appetite in the adrenalectomized raf. 70, J. Comp. & Physiol. Psychol. Address: Pavlovian Laboratory, Veterans Administration Hospital, Perry Point, Md. 21902.

CULLEY, PROF. JACK F(REDERICK). Industrial Relations. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. spec, prog. bus, Colo. State, 68- Address: 4960 Hogan Dr, Ft. Collins, Colo. 80521.

CULTON, DR. GERALD L, b. Omaha, Nebr, Oct. 30, 38; m. 60; c. 2. SPEECH PATHOLOGY, AUDIOLOGY. B.A, Omaha, 60; M. A, Kanasa State, 62; Ph.D. (speech path), Denver, 68. Instr. SPECH PATH, Colorado, 64-66; ASST. PROF, WISCONSIN STATE-EAU CLAIRE, 68-Speech & Hearing Asn. Aphasia; language disorders. Publ. Co-auth, Visual-spatial neglect subsequent to brain injury, J. Speech & Hearing Disorders, 68; auth, Spontaneous recovery from alphasia, J. Speech & Hearing Res, 69. Address: Speech & Hearing Center, Wisconsin State University-Eau Claire, Eau Claire, Wisconsin State University-Eau Claire, Wisconsin State University-Ea

CUMMINGS, PROF. MILTON CURTIS, JR, b. New Haven, Conn, Apr. 23, 33; m. 59; c. 3. POLITICAL SCIENCE. B.A, Swarthmore Col, 54; B.Phil, Oxford, 56; Soc. Sci. Res. Coun. fel, Harvard, 57-59; Ph.D. [Jobit. sci); 60. Res. asst. POLIT. SCI, Brookings Inst, 59-61, res. assoc, 61-64, sr. staff mem, 64-65; assoc. prof. HOPKINS, 65-68, PROF, 68-, CHMN. DEPT, 70-Soc. Sci. Res. Coun. fel, 63; Nat. Sci. Found. sr. fel, 68-69. Consult, NBC News elections coverage, 62-70. Mem. cmt. soc. sci. persomel, Soc. Sci. Res. Coun, 68-70. Polit. Sci. Asn; Int. Polit. Sci. Asn. Political parties; elections; public opinion. Publ: Co-auth, The image of the federal service, 64 & ed, The national election of 1964, 66, Brookings Inst; auth, Congressmen and the electorate, Free Press, 66. Address: Dept. of Political Science, Johns Hopkins University, Baltimore, Md. 21218.

CUMMINGS, DR. RALPH W, JR, b. Ithaca, N.Y, July 20, 38; m. 61; c. 2. ECONOMICS. A.B, North Carolina, Chapel Hill, 60; Nat. Defense Ed. Act fel, Ford Found. & univ. grants, Michigan, 60-63, Ph.D.(econ), 65; Fulbright

fel, Delhi, 63-64. Asst. prof. econ, Illinois, 65-67; asst. dir, Midwest Univs. for Int. Activities, 66-87; div. chief. agr. econ, Agency Int. Develop, India, 67-69; asst. prof. econ, Illinois, Urbana, 69-70; MEM, HARVARD ADV. GROUP, INDONESIA, 70- Consult, Agency Int. Develop, 70- Am. Econ. Ası; Ann. Agr. Econ. Ası; Indian Soc. Agr. Econ. Ansı; Jaiss of long range agricultural adjustments in India. Publ. Pricing efficiency in the Indian wheat market, Impex India, 67; New agricultural strategy revisited, Econ. & Polit. Weekly, 68; Buffer stocks; In: Seminar on foodgrains buffer stocks in India, Indian Soc. Agr. Econ, 69. Address: C/O The Ford Foundation, P.O. Box 2030, Djakarta, Indonesia.

CUMMINGS, PROF. RICHARD MARSHALL. Law, Politics. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

CUMMINGS, DR. S(AMUEL) THOMAS. Psychology. See A-K Vol, 11th ed, 500. & Behav. Vols. New position: Dir. psychol, Childrens div, Menninger Found, 69- Address: 307 Yorkshire Rd, Topeka, Kans. 66606.

CUNNINGHAM, DR. GROVER BENNETT, JR, b. Big Spring, Tex, Nov. 27, 24; m. 69; c. 2. RESEARCH PSYCHOLOGY, LAW. L.L.B, Texas, 50, Ph.D. (ed. psychol), 66. Partner, Cunningham & Cunningham, 50-63; counseling psychologist, Child & Family Serv. Agency, 65-66; res. psychologist & assoc. dir. Child Develop. Eval. & Res. Center, 66-69; PRES, EVAL. RES. ASSOCS, 69- Pres, Ed. Eval. Res. Assocs, 66-Sig.C, U.S.A.A.F, 43-45. Psychol. Asn; Ed. Res. Asn; Nat. Coun. Family Rels; Bar Asn. All interrelationships of the individual and society—education, law, family, religion and counseling. Address: 610 Park Blvd, Austin, 7ex. 78751.

CUNNINGHAM, PROF. ROBERT L. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

CUNNINGHAM, PROF. WARREN. Government. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. polit. sci. & coordinator soc. sci, 69-, Dept. of Political Science, Miami University, Oxford, Ohio 45056.

CUNSOLO, DR. RONALD S. Modern European History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

CUPP, DR. WILLIAM L(EE), Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Dept. of Sociology, St. Olaf College, Northfield, Minn. 53057.

CURCIO, DR. FRANK, b. Hackensack, N.J, June 22, 42; m. 65. DEVELOP-MENTAL PSYCHOLOGY. B.A, Rutgers, 64; M.A, Clark, 65, Off. Econ. Opportunity grant, 68-69, Ph.D. (psychol), 69. ASST. PROF. PSYCHOL, BOS-TON, 68- Soc. Res. Child Develop; Psychol, Asn. Perceptual and cognitive development in human infants and children. Address: Dept. of Psychology, Boston University, Boston, Mass. 02215.

CURETON, DR. LOUISE W(ITMER). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Prof, Tennessee, 67- Address: 2008 Velmetta Circle, Knoxville, Tenn. 37920.

CURLEE, DR. RICHARD F, b. Charlotte, N.C., July 21, 35; m. 58. SPEECH PATHOLOGY. B.A., Wake Forest Col. 61; M.A. Southern California, 65. Ph.D. (speech path), 67. ASST, PROF. COMMUNICATIVE DISORDERS. SOUTHERN CALIFORNIA, 67. Co.-investr, Soc. Rehab. Serv, U.S. Dept. Health, Ed. & Welfare grant, 69-73. Speech & Hearing Asn. Communicative disorders; exploration of causes and treatment of stutering. Publ: Co-auth, The effect of punishment of expectancy to stuter on the frequencies of subsequent expectancies and stuttering, J. Speech & Hearing Res, 68; Conversational rate control therapy for stuttering, 69 & Causality in speech pathology, 34: 231-238, J. Speech & Hearing Disorders. Address: Dept. of Communicative Disorders, University of Southern California, University Park, Los Angeles, Calif. 90007.

CURRAN, CHARLES D(ANIEL). Economics. See A.K Vol, 11th ed, Soc. & Behav. Vols. New position: Proj. mgr. planning the comprehensive develop of Vistula River, Warsaw, Poland, UN Develop. Prog. 68- Address: American Consulate General (Warsaw), APO New York 09757.

can Consulate General (Warsaw), APO New York 09757.

CURRIE, DR. ROBERT JACQUES, b. Miami, Fla, July 11, 27; m. 55; c. 3.

EDUCATIONAL PSYCHOLOGY. A.B. Stanford, 53; Ford Found. fel, Southern California, 54-55, M.S. in Ed, 59, Ed.D. (ed, psychol), 66. Teacher, elem. schs, Calif, 54-61; sch. psychologist, Kern Co. Supt. Schs. Off, Bakersfield, 61-63; res. assoc, Weliare Planning Coun, Los Angeles Region, 63-65; asst. prof. ed, Calif. State Col. Long Beach, 65-67; assoc, prof. pspc. ed. Association of the College of the College

CURRY, DR. ROBERT RODNEY. Geomorphology, Ecology. See Suppl. V to 11th ed, Phys. & Biol. Vols.

CURRY, PROF. ROY WATSON. History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

CURTIN, DR. MARY ELLEN, b. Carthage, Ill, Feb. 6, 22; m. 46; c. 2. PSY-CHOLOGY. B.S. Kentucky, 56, M.S. 59, summer, Nat. Sci. Found. 1el, 59, Ph.D. (psychol), 85. Asst. prof. psychol), Eastern Kentucky, 65-68; CLIN.

RES. PSYCHOLOGIST, VET. ADMIN. HOSP, LEXINGTON, KY, 68- Nurse C, U.S.A., 45-46, 2nd Lt. Psychol. Asn. Learning; choice making for personal preferences; alcoholism. Publ: Co-auth, Interference effects with schizophrenic subjects in acquisition and retention of verbal material, J. Abnormal & Soc. Psychol, 61, A visual illusion in lengths of words: a firend is more than a friend, Psychol. Reports, 65 & Appraisal of a milieu environment by treatment team and patients, J. Clin. Psychol, (in press). Address: Psychology Service, Veterans Administration Hospital, Lexington, Ky. 40507.

CURTIS, PROF. JOHN M, b. Franklinville, N.C, Aug. 1, 23; m. 48; c. 3. AGRICULTURAL ECONOMICS. ECONOMICS. B.S. N.C. State, 47, M.S. 50; Ph.D. (agr. econ), Maryland, 60. Assoc. prof. AGR. ECON, Va. Polytech, 50-51; N.C. State, 51-55, prof, 55-61; PROF. & HEAD DEPT, MARYLAND, 61. Leetr, Orgn. Econ. Coop. & Develop, Paris, France, 64; r. scholar, East West Center, Univ. Hawali, 67-68. Consult, Lyon Assoc, 69- U.S.A, 40-46, Res, 46-, Li. Col. AAAS; Am. Econ. Asg., Int. Asn. Agr. Econ. Agricultural markethic, gribusiness management. Address: 4613 Clemson Rd, College Park, Md. 20140

CURTIS, DR. RUSSELL L, b. Elkins, W.Va, Mar. 6, 38; m. 62; c. 2. SOCIAL PSYCHOLOGY, SOCIOLOGY. B.A, West Virginia, 60; M.A, Kent State, 62; univ. fel. & Howard W. Odum award, North Carolina, 67-68, Nat. Sci. Found. summer award & Ph.D. (sociol), 68. Asst. dean men & dir. men's halls, Kent State, 63-65, ASST. PROF. SOCIOL, TEXAS, AUSTIN, 68-Sociol. Asn. Student socialization in public schools; adolescent valuations of parents as a function of commitment to peers; parental restrictiveness and permissiveness and child behavioral disorders; birth order and marital stability; study of the audience effect and induced dominant responses; theoretical conceptualizations of alienation. Address: Dept. of Sociology, University of Texas at Austin, Austin, Tex. 78712.

CURTIS, DR. THOMAS D, b. Marion, Ind, June 14, 35; m. 59; c. 2. ECO-NOMICS, HISTORY. B.S, Ball State, 57, M.A, 59; Ph.D. (econ), Indiana, 65. Asst. prof. ECON, Arizona, 64-67; ASSOC. PROF. OKLAHOMA, 67- Relationship between inflation, economic growth and development in the less developed nations of the world. Publ. Land reform, democracy and economic interests in Puerto Rico, Univ. Arizona, 66; Employment and land reform in a labor-surplus economy, J. Land Econ, 67; co-auth, Inflation and economic development, Quart. Rev. Econ. & Bus, 68. Address: Dept. of Economics, University of Oklahoma, Norman, Okla. 73069.

CURTIS, PROF. WILLIAM HENRY, b. Philadelphia, Pa, June 25, 39. PSY-CHOLOGY, SOCIOLOGY. B. A, Mt. St. Mary's Col. (Md), 61; S. T. B, St. Mary's GM, 63; M. Ed, Loyola (Md), 64; Catholic Univ, 64-66. Marriage counsr. & counsr, Catholic Univ, 64-66; instr. PSYCHOL. & SOCIOL, Community Col. Phila, 66-67; ASST. PROF, CAMDEN COUNTY COL, 67- Adj. prof. grad. sch. Pa. State, 69; instr., Georgetown, summer 65. Mem, Int. Sci. Cmn. Farnily, 69. Sociol. Asn, Psychol. Asn. Behavioral problems in marriage and family relations; problems related to teaching and counseling the community college student. Publ. The self-fulfiling prophersy; its implications for community college teaching, N.J. County Col. J, 11/69. Address: 1011 Dyre 5t, Philadelphia, Pa. 19124.

CURTIS, DR. WILLIAM R. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Regional manpower adminstr, 69-, U.S. Dept. Labor, P.O. Box 8796, Philadelphia, Pa. 19101.

CURWOOD, DR. SARAH T(HOMAS). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Chunn. dept. psychol, Knoxville Col, Tenn, 69-June 70. Address: R.F.D. 1, Box 38, East Barrington, N.H. 03825.

CUSHMAN, DR. ROBERT F(AIRCHILD). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, N.Y. Univ, 69- Address: 27 Bennett Ave, Huntington Station, N.Y. 11746.

CUSKEY, DR. WALTER RAYMOND, b. Boston, Mass, Sept. 1, 34; m. 61; c. 3. SOCIOLOGY, SOCIAL WELFARE. A.B. Boston Col. 61, M.S.W, 63; Ph.D. Brandeis, 68. Training supvr. community develop, Peace Corps Training Prog. 63; staff assoc. health res, Nat. Cmn. Community Health Serv. Inc. 63-65; dir. res, Worcester State Hosp. Inst. Human Sci. 65-67; instr. COMMUNITY MED. Temple, 68; ASSOC, PENNSYLVANIA, 69. Res. assoc, Narcotic Rehab. Prog. West Phila. Ment. Health Consortium, 69 - U.S.A.F, 53-57. Pub. Health Asn; Nat. Asn. Soc. Workers. Planning the delivery of medical care services on an area-wide basis. Publ: Mexican-American optate addicts, in: The epidemiology of opiate narcotic addiction in the United States, C. C. Thomas, 90; co-auth, A rationale for comprehensive health care, Phila. Med, 2/70 & Predicting attrition during the outpatient detoxification of narcotic addicts, Med. Care, (in press). Address: 4219 Chester Ave, Philadelphia, Pa. 19104.

CUTHBERTSON, DR. GILBERT MORRIS. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Political Science, Rice University, Houston, Tex. 7001.

CUTLER, DR. RHODA, b. New York, N.Y. PSYCHOLOGY. A.B, Hunter Col, 47; A.M, N.Y. Univ, 49, Ph.D. (rehab. psychol), 67. Consult. psychologist, N.Y. Asn. New Americans, 48-60; psychol. intern, N.Y. Univ. Med. Center, 60-61, instr. psychiat, 61-66, assoc. porf. ed, set. ed, N.Y. Univ. Med. Center, 61-61; psychologist, N.Y. MED. COL, 68-Psychol. consult, partime, Bur. Child Weltare, 65-68; psychotherapist, Ment. Health Consult. Center, 68-Psychol. Asn. Child development especially the premature and disadvantaged child; drug addiction. Publ: Co-auth, Development of lower-class premature children born in and out of wedlock, J. Soc. Work, 64, Deviant behavior in 2½ year old premature children, Child Develop, 64 & The effects of prenatal and neonatal complications on the development of premature children at age 2½ years, J. Genetic Psychol, 65. Address: 230 E. 88th St, New York, N.Y. 10028.

CUTLER, DR. RICHARD OSCAR, b. Delavan, Ill, Mar. 8, 30; m. 56; c. 4. GEOGRAPHY. B.A, Fla. State, 55; M.A, Michigan, 57; Ph.D. (geog), Florida, 56. Instr. phys. sci, Florida, 57-62; asst. prof. GEOG, Indiana State, 62-66;

assoc. prof. Adams State Col. 66-70; ASSOC. PROF. & CHMN. DEPT, STATE UNIV. N.Y. COL. OSWEGO, 70- U.S.A, 50-53. Ass. Am. Geog; Am. Geog. Soc; Nat. Coun. Geog. Ed. Recreational potential of northeast Florida, especially outdoor recreation and tourism; geography of the San Luis Valley, Colorado, especially outdoor recreation. Publ: The effects of Hurricane Dora on coastal house types, Rocky Mt. Soc. Scl. J. 68. Address: Dept. of Geography, State University of New York College at Oswego, Oswego, NY. 13126.

CUTRIGHT, DR. PHILLIPS. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Sr. res. assoc, joint center urban studies, Mass. Inst. Tech-Harvard, 69- Address: 66 Church St, Cambridge, Mass. 02138.

CUTSUMBIS, DR. MICHAEL NICHOLAS. Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. 69-, Dept. of Sociology, Marietta College, Marietta, Ohio 45750.

CUYKENDALL, DR. CHARLES H, b. Auburn, N.Y. Aug. 28, 40; m. 68. FARM MANAGEMENT, AGRONOMY. B.S. Cornell, 62; M.S. Minnesota, St. Paul, 65, Ph.D. (agron), 67. Agr. engr, Cornell, 60-62; res. asst. agron, MINNESOTA, ST. PAUL, 62-65, EXTEN. ECONOMIST, 67- Agr. Econ. Ass. Soc. Agron. Farm management; forage and field crop production. Publ: Co-auth, Performance of berseem clover (trifolium alexandrium L) as a companion crop, 65 & Defoliation by sheep-grazing versus mower-clipping for evaluation of pasture, 68, Agron. J. Address: Dept. of Agricultural Economics, University of Minnesota, St. Paul, Minn. 55101.

CYMBALISTY, DR. BOHDAN YAROSLAV. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. prinl. serv, 68-, State Home for Boys, Jamesburg, N.J. 08831.

CZEH, DR. ROBERT STEPHEN. Experimental Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Health scientist adminstr, Nat. Inst. Ment. Health, Chevy Chase, 68- Address: 12529 Montclair Dr, Silver Spring, Md. 20904.

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DABBS, DR. JAMES McBRIDE, JR. Social Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Assoc. prof. 70-, Dept. of Psychology, Georgia State University, Atlanta, Ga. 30303.

DACHOWSKI, DR. MARJORIE McCORMICK, b. Chicago, III, Sept. 26, 32; m. 60; c. 3. PSYCHOLOGY. B.A, Illinois, 54, M.A, 56, U.S. Pub. Health Serv. fels, 56-58, Ph.D.(clin. psychol), 62. Counsr, Illinois, 62.-63; psychologist, Charity Hosp. Sch. Nursing, New Orleans, 63-64; asst. prof. PSY-CHOL, DLILARD, 64-65, ASSOC. PROF, 65- Psychol. consult, Charity Hosp. Sch. Nursing, New Orleans, 64- Psychol. Asn. Counseling young adults; sex role identification; use of psychological tests in diagnostic evaluation of psychological problems. Address: 366 Millandon St, New Orleans, La. 70118.

DAEHLER, DR. MARVIN W, b. Freeport, Ill, Aug. 13, 42; m. 65; c. 1. PSY-CHOLOGY, A. B, Illinois, 64; Nat. Inst. Ment. Health trainee, Minnesota, 64-68, M.A., 66, Ph.D. (child psychol), 68. ASST. PROF. PSYCHOL, MASSACHU-SETTS, 68-Psychol. Asn; Soc. Res. Child Develop. Developmental psychology; cognitive development; attentional and mediational mechanisms in children. Publ: Co-auth, Verbal and nonverbal rehearsal in children's recall, 69 & auth, Children's manipulation of illusory and ambiguous stimuli, discriminantive performance and implications for development, 70, Child Develop. Address: Dept. of Psychology, University of Massachusetts, Amherst, Mass. 01002.

DAFASHY, DR. WAGIH G, b. Samalout, Egypt, June 4, 39; m. 68. BUSINESS ADMINISTRATION. B.C, Ain Shams, Cairo, 59; M.B.A, Texas, 62; Ph.D. (acct, quant. methods), Arkansas, 66. Auditor, Acct. Dept. Egypt, 60; asst. prof. BUS. ADMIN, COL. WILLIAM & MARY, 65-69, ASSOC. PROF., 69-CHMN. DEPT. MGT, 68-Lectr, George Washington, 66-68; U.S. Army Qm. Sch, Ft. Lee, Va, 67-68. Accounting aspects of business combinations; entity theory of business enterprise; operations research techniques as applied to accounting. Address: 802 Conway Drive, Williamsburg, Va. 23185.

DAGENAIS, DR. JAMES JOSEPH. Philosophy, Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

DAGENAIS, PROF. PIERRE. Geography. See A-K Vol., 11th ed., Soc. & Behav. Vols. Change of address: Faculty of Science & Education, University of Montreal, 90 Bellingham St, Montreal, Que, Can.

DAGER, PROF. EDWARD Z(ICCA). Sociology, Social Psychology. See A-K Vol, 1th ed, Soc. & Behav. Vols. New position & address: Prof., 70-, Dept. of Sociology, University of Maryland, College Park, Md. 20742.

D'AGOSTINO, DR. RALPH B. Mathematical & Experimental Statistics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

DAHLE, PROF. THOMAS L. Adult Education, Communication. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

DAI, PROF. BINGHAM. Psychiatry, Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof. 69-, Dept. of Psychiatry & Psychology, Duke University School of Medicine, Durham, N.C. 27706.

DALE, PROF. GILBERT R, b. Navaho, Okla, Mar. 8, 93; m. 66; c. 3. PO-LITICAL SCIENCE, EDUCATION. B.A, Southwest. Inst. Tech, 25; M.A, Arkansas, Fayetteville, 36; M.Ed, Missouri-Columbia, 43, D.Ed, 46; M.A, Columbia, 44. Supt. sche, Putnam, Okla, 22-23; head football coach & athletic dir, pub. sche, Okla. 23-26; high sch. prin. & div. supt. sche, Philippine Islands, 26-29; adv. to inspector schs, Siamese Govt, Bargkok, 29-33; head soc. studies dept, pub. schs, Mo, 34-39; pres, Col. West Africa, Monrovia, Liberia, 39-42; acting dir. admissione, Missouri-Columbia, 45-46; chnn, div. soc. studies, Adams State Col., 46-58; mem. staff, Young Men's Christian Aan, Pueblo, Colo, 58-60; prof. ed, Benedict Col., 60-63; prof. polit. sci. & asst. to pres, Evangel Col. (Mo), 63-64; VIS. PROF. HIST. & POLIT. SCI. & ED. & PSYCHOL, CUMBERLAND COL.(KY), 64- Lectr, Atomic Energy Installation, Los Alamos, N.Mex, 54; Evangel Col., 63-64; acad. coordinator, legis, intern prog. Ky. State Govt, 70-71. Mem. State Bd. Ed, Colo, 55-57. Meritorious Award, Siamese King, 29-33; citation for distinguished serv. to ed, Colo. State Bd. Ed. & Parent Teacher Asn, 55. U.S.N., 18-22, Res, 22-25, 36-55, Lt. Comdr. Soc. Int. Law; Polit. Sci. Asn, Acad. Polit. Sci. International law and administration; state and local government; American national government; history of education. Publ: The odyssey of an American teacher, Am. Press, (in press): Education among primitive West African tribes, 6-52, Colo-Vyo, Acad. Sci. Soc. Sci. J. Address; Dept. of Political Science, Cumberland College, Williamsburg, Ky. 40769.

DALE, DR. LEON A(NDREW). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. bus. mgt, Calif. State Polytech. Col, Pomona, 69- Address: 12152 Adrian St, Garden Grove, Calif. 92640.

DALE, DR. MARTHA ERICSON. Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Consultant, East. Upper Peninsula Ment. Health Clin, 69- Address: Box 9, Newberry, Mich. 49868.

DALE, DR. PHILIP S, b. Indianapolis, Ind, Feb. 15, 43; m. 65. PSYCHOLOGY, LINGUISTICS. B.S, Chicago, 63; M.A, Michigan, 64, M.S, 66, Ph.D.(commun. sci), 68. Lectr. prog. psycholing. & dept. psychol. WASHINGTON (SEAT-TLE), 67-68, ASST. PROF. PSYCHOL. & LING, 68- Psychol. Asn; Soc. Res. Child Develop; Ling. Soc. Am. Language development; psycholinguistics; cognitive development. Publ. Co-auth, Models for prisoner's dilemma, J. Math. Psychol, 7/66; auth, Color naming, matching and recognition by preschoolers, Child Develop, 12/69; Early language acquisition, In: Encyclopedia of education, Macmillan, (in press). Address: Developmental Psychology Lab, University of Washington, Seattle, Wash. 98103.

DALES, DR. GEORGE FRANKLIN. South Asian & Near Eastern Archaeology. See 5th ed, Dir. Am. Scholars, Vol. I. Hist.

D'ALESSIO, DR. JUAN CARLOS. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.

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functions of tests in Manova, 64 & auth, Optimum classification rules, 65,
Ann. Math. Statist; Step-down multiple decision rules, fir. Professor S. N.
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- DAVIS, PROF. F(LOYD) JAMES. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: No longer chmn, Dept. of Sociology, California State College at Fullerton, Fullerton, Calif. 92631.
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- DAVIS, DEAN JAMES NATHANIEL, JR, b. Dierks, Ark, May 12, 25; m. 45; c. 4. BUSINESS ADMINISTRATION. B.S.B.A. Arkansas, 52, M.B.A, 53, Ph.D. (econ), 62. Assoc. prof. bus. & econ, Mississippi, 59-63; chmn. dept. econ, Texas A&I, 63-64; econ. & bus. admin, Southwest. Col. (Kans), 64-66; econ, Northwest. State Col. (La), 66-66; bus. mgt, POINT PARK COL, 68-69, DEAN, 69-U.S.A.P., 43-50, Res, 50-, Lt. Col. Econ. Asn. Quantitative methods of decision making. Address: Point Park College, Pittsburgh, Pa. 1522.
- DAVIS, DR. J(AMES) RONNIE, b. Shreveport, La, Jan. 21, 41; m. 59; c. 1. ECONOMICS. B.S., Southern Mississippi, 63, M.S., 64; Duport, Thomas Jefferson Center, Ford Found & univ. [els. & Ph.D.(econ), Virginia, 67. ASST. PROF. ECON, JOWA STATE, 67- Econ. Asn, Pub. Choice Soc. Public finance; history of economic thought, resource economics. Publ: Co-auth, on the shifting of the military draft as a progressive tax-in-kind, Vest. Econ. Econ. Econ. Rev., 6/68; cs-auth, Budget size: in democracy, South. Econ. J. 7/69. Address: Dept. of Economics, Jowa State University, Ames, Iowa 50010.

- DAVIS, JOHN CORDON. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Independent counseling economist, 67- Address: 266 Floramar Terr, New Port Richey, Fla. 33552.
- DAVIS, PROF. JOHN DWELLE. Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, Illinois, Chicago Circle, 69-Address: 2717 S. Michigan Ave, Chicago, Ill. 60616.
- DAVIS, PROF. KEITH E. Social Psychology. See A-K Vol., 11th ed., Soc. & Behav. Vols. New position & address: Prof. & chmn, 70-, Dept. of Psychology, Livingston College, Rutgers, The State University, New Brunswick,
- DAVIS, PROF. LaMYRA (HIGHSMITH), b. Brunswick, Ga, Sept. 29, 33; m. 64; c. 4. CHILD DEVELOPMENT, PSYCHOLOGY. A.B, Wesleyan Col, 54; M.S. Alabama, 62; inst. Child & Family Develop, Fel, North Carolina, Greensboro, 62-63, Ph.D. (child develop, psychol), 67. Dir. presch, inst. child develop, Miss. State Col. Women, 62-63; employ. courselor, Employ. Security Crnn, N.C, 64-65; assoc. prof. child develop, a&T Univ. N.C, 65-67, prof. psychol. & child develop, assoc. dir., inst. res. in human resources & chi.child develop, isb, 67-70; PROF. EAR & CHILDROO ED, SOUTON, 65-68, 69 & 70; Ed. Print, Develop, Act. Rev. Child Develop, 18, 67-70; Prof. E. Rev. Child develop, 18, 67-70; Prof. E. Rev. Child develop, 18, 67-70; Prof. E. Rev. Child develop, 18, 69 & 70; tech. asst. specialist, Community Action Prog. Off. Econ. Opportunity. Consult, Nat. Teacher Corps, Health Ed. & Wellare, 68-69. Mem. Coop. Ed. Cmt, 16 South. Black Cols, 68-70; mm. Nat. Coun. Univ. Res. Adminstrs. Soc. Res. Child Develop; Nat. Coun. Family Rels. Identification and training of talented high school students; group counseling: evaluation of early childhood education programs; experimental counseling studies of migrant farm workers; creativity; cognitive and affective behavior of preschool children. Publ. Teachers and co-teachers, 7/70, The implications of 4 years status study of compensatory education programs for developing early childhood experimental learning projects, 7/70 & Migrant farm workers in North Carolina, 9/70, Bull. Inst. Res. Human Resources. Address: School of Education, University of South Carolina, Columbia, S.C. 29208.
- DAVIS, DR. L(AWRENCE) HARLAN, b. Warsaw, Va, Feb. 17, 35; m. 59; c. 2. AGRICULTURAL ECONOMICS. B.S, Va. Polytech, 56; M.S, Maryland, 59; Ph.D. (lagr. econ), Wisconsin, 68. Asst. county agent, Va. Agr. Exten. Sery, 56-57; mgt. intern, Agency Int. Develop, Guatemala, 59, asst. prog. officer, Bogota, Columbia, 59-63, economist, Wash, D.C, 63-68; ASST. PROF. AGR. ECON, GEORGIA, 68. Consult, Land Tenure Center, Univ. Wisconsin, summer 68. Agr. Econ. Asr, Soc. Int. Develop. International agricultural development; land reform in Latin America; property taxation as it affects agriculture in Latin America. Publ: Economics of the property tax and areas of Columbia, Land Tenure Center, Univ. Wisconsin, 68; co-auth, The importance of international trade to Georgia agriculture, Univ. Georgia, 69, auth, Property tax administration in rural local governments of Colombia, Land Econ, 5/70. Address: Dept. of Agricultural Economics, University of Georgia, Athens, Ga. 30601.
- DAVIS, DR. NATALIE ZEMON. Early Modern & Social History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- DAVIS, PROF. OTTO ANDERSON. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. dean, 69-, School of Urban & Public Affairs, Carnegie-Mellon University, Pittsburgh, Pa. 15213.
- DAVIS, DR. RICHARD M(cVAY), b. Moose Lake, Minn, June 21, 24; m. 56; c. 4. COMMUNICATIONS, ENGLISH. B.A, Ohio State, 47, M.A, 48; Sorbonne, 50-51; Ed. D. (commun), Michigan, 62. Instr. Eng. Gen. Motors Inst. 48-50; admin. analyst, Kansas City Aircraft Plant, Ford Motor Co, 51-52; procedures analyst, Fisher Body Div, Gen. Motors Corp. 53-55; Champion Spark Plug Co, 55-57; from asst. prof. to ASSOC. PROF. ENGLISH, SCH. ENG, AIR FORCE INST. TECH, 62- Chmn. bd, Richard M. Davis & Assocs. U.S.A.A.F, 43-45. Bus. Commun. Asn; Int. Commun. Asn. Experimentation to determine the most effective content, organization, and presentation for written technical messages in defined communications situations. Publ: Effective mechanical description—experiment I, Soc. Tech. Writers & Publishers Rev. 7/63; Experimental research in the effectiveness of technical writing, IEEE Trans, 12/67; The way you write it makes a difference—sometimes, J. Bus. Commun, 12/68. Address: 4417 Glenheath Dr, Kettering, Ohio 45440.
- DAVIS, DR. VINCENT. Political Science, International Relations. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Nimitz prof, 70-71, U.S. Navail War College, Newport, R.I. 02840.
- DAVIS, DR. WAYNE J, b. Larksville, Pa, Mar. 20, 38; m. 62; c. 1. ECO-NOMICS. A.B, Dickinson Col, 60; Ph.D. (econ), Rutgers, 70. Instr. ECON, Rutgers, 66-68, acting chum. dept, INDIAN UNIV. PA, 68-69, ASSOC. PROF, 69- Nat. Guard, 60-68. Econ. Asn. International trade; economic development; urban and regional planning. Address: 471 S. Seventh St, Indianapolis, Pa. 15701.
- DAVIS, DR. WILLIAM F, JR. Physiology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- DAVIS, DR. WILLIAM PRICE, III. Biological Oceanography, Ichthyology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- DAVISON, DR. ARTHUR H. Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Sr. community psychologist, 69., Guidance Center, Inc., 1220 Willis Ave, Daytona Beach, Fla. 32014.
- DAVISON, DR. GERALD CHARLES, b. Boston, Mass, June 23, 39; m. 66; c. 1 PSYCHOLOGY. A.B, Harvard, 61; Fulbright fel, Freiburg, 61-62; Nat. Sci. Found. & Nat. Inst. Ment. Health fels. & Ph.D. (psychol), Stanford, 65. Trainee, Vet. Admin. Hosp, Palo Alto, Calif, 65-66; asst. prof. PSYCHOL.

STATE UNIV. N.Y. STONY BROOK, 66-68, ASSOC. PROF, 68-, COORDINATOR, POSTDOCTORAL PROG. BEHAV. MODIFICATION, 67-, clin. psychologist, psychol. serv, 66-67. Vis. assoc. prof, Stanford, 69-70. State Univ. N.Y. Res. Found, summer fel, 67. Guest lectr. & consult, U.S. Eng. & Mex, 65- Co-prin. investr, Nat. Inst. Ment. Health res. grant, 68-71; prin. investr, Nat. Cancer Soc. res. grant, 69-71. Psychol. Asn. Behavior modification, specifically the psychological processes underlying clinical techniques of altering behavior, especially anxiety. Publ: Anxiety under total curarization: implications for the role of muscular relaxation in the desensitization of neurotic fears, J. Nervous & Ment. Disease, 143: 443-448; Systematic desensitization as a counterconditioning process, J. Abnorm. Psychol., 73: 91-99; Appraisal of behavior modification techniques with adults in institutional settings, in: Behavior therapy: appraisal and status, McGraw, 69. Address: Dept. of Psychology, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.

DAWE, PROF. HELEN C(LEVELAND). Child Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 104 Preschool Lab, University of Wisconsin, Madison, Wis. 53706.

DAWSON, DR. J(OHN) PHILIP. Modern European History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

DAWSON, DR. MICHAEL E(DWARD), b. Chicago, Ill, Mar. 31, 40; m. 62. EXPERIMENTAL PSYCHOLOGY. B.S, Arizona State, 62; M.A, Southern California, 66; Ph.D. (psychol), 67. ASST. PROF. PSYCHOL, CALIF. STATE COL, LOS ANGELES, 67- Res. psychologist, Gateways Psychiat. Hosp, 68- Soc. Psychophysiol. Res. Human autonomic classical conditioning, and its relationship to cognitive variables. Address: 6277 Ivarene, Los Angeles, Calif. 90028.

DAWSON, DR. PAUL A. b. Utica, Mich, Dec. 30, 41; m. 63; c. 2. POLITICAL SCIENCE. B. A. Mich. State, 64, M. A. 65; Ph. Dipolit sci, 98. ASST. PROF. GOVT. OBERLIN COL., 69. Polit. Sci. Asn. Political behavior, decision-making; models of attitude structure and role in analysis of decision-making processes. Address: Dept. of Government, Rice Hall, Oberlin College, Oberlin, Ohio 44074.

DAWSON, DR. RICHARD EVANS, b. Columbus, Ohio, Mar. 2, 39; m. 65; c. 1. POLITICAL SCIENCE. B.A, Ohio Wesleyan, 60; Ph.D.(polit. sci), Northwestern, 63. Asst. prof. POLIT. SCI, WASHINGTON (ST. LOUIS), 63-66, ASSOC. PROF. 66- Ford Found. faculty res. fel, 68-69. Polit. Sci. Asn. Analysis of state policy outputs; political socialization; structural distribution of political opinions. Publ: Co-auth, Political socialization, Little, 69, Inter-party competition, economic variables and welfare policies in the American states, J. Polit, 63 & Social development, party competition, and policy, In: The American party systems, Oxford, 67. Address: Dept. of Political Science, Washington University, St. Louis, Mo. 63130.

DAY, DR. DANIEL D(ROBA). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Practicing psychologist, 69- Address: P.O. Box 7, Washington, D.C. 20044.

DAY, DR. ERNEST EDWARD DOUGLAS. Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Economist & Statistician, 69-, Regional Development Group, Economic Development Division, Dept. of Finance, Confederation Bldg, Ottawa 2, Ont, Can.

DAY, DR. HY(MIE) I(RWIN), b. Poland, Apr. 12, 25; Can. citizen; m. 47; c. 3. PSYCHOLOGY, EDUCATION. B.A. Toronto, 59, M.A. 62, Ph.D. (psychol), 65. Voc. counsr. Jewish Voc. Serv, Toronto, 57-61, dir. rehab. serv, 61-63; res. psychologist, Lakeshore Psychiat. Hosp. Toronto, 63-65, chiet psychologist, 65-66; ASSOC. PROF, PSYCHOL, ONT. INST. STUDIES ED, 66-Ont. Ment. Health res. grant, 67-70; Can. Manpower & Immigration res. grant, 68-69. Consult, Lakeshore Psychiat. Hosp, 66-Am. Psychol. Asn. Intrinsic motivation, especially as applied to personality and educational problems; developer of the Ontario test of intrinsic motivation. Publ. Role of specific curiosity in school achievement, J. Ed. Psychol, 68; Some determinants of lookingtime under different instructional sets, Perception & Psychophysics, 68; A curious approach to creativity, Can. Psychologist, 68. Address: 44 Celt Ave, Toronto, Ont, Can.

DAY, DR. SHERMAN R, b. Murray, Utah, Jan. 16, 38; m. 60; c. 2. COUN-SELING PSYCHOLOGY. B.S. Brigham Young, 62; fel. & M.Ed. Illinois, 65; Ed.D. (counseling psychol), Georgia, 67. Asst. prof. coursr. ed, 6A. STATE, 67-69, ASSOC. PROF. COUNSE. ED. & CHMN. DEPT. COUNSELING & ED. PSYCHOL, 69- Consult, Southeast. Civil Serv. Chm. & Bur. Prisons, U.S. Dept. Justice, 68- Group dynamics. Publ: Occupational influence of high school students, Voc. Gud. Quart, 65; co-auth, Activity group counseling in the achools, in: Theories and methods of group counseling in the schools, C.C. Thomas, 69; Facilitation training for correctional officers, Am. J. Corrections, 70: Address: Dept. of Counseling & Educational Psychology, Georgia State University, 38 Gilmer St, Atlanta, 6a. 30003.

DEAN, DR. CHARLES. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. cmnr. correction, 68-, Connecticut Dept. of Correction, 340 Capital Ave, Hartford, Conn. 06115.

DEAN, PRENTICE N(ORTHUP). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired. Address: 200 Otsego St, Storm Lake, Iowa 50588.

DEAN, PROF. RICHARD LAWRENCE, b. Wheeling, W. Va, Feb. 6, 26. PO-LITICAL SCIENCE, EXPERIMENTAL COMMUNICATION. A.B. Northwest. State Col., 47; M.A., La. State, 49; Res. Found. fel, Purdue, 54-55, Ph.D. (commun, polit. sci), 55. Dir, U.S. Armed Forces Inst, Glessen, Germany, 51-53; staff assoc, indust. rels. div, Chrysler Corp, 55-57; assoc. prof. speech, Western Illinois, 57-69; chmn. dept. commun, arts, St. Joseph's Col, 60-64; PROF. POLIT. SCI. & SPEECH, WOODBURY COL, 64-Lectr, Detroit, 55-57; Western Illinois, 59-80; DePaul, 60-62; Ill. Inst. Tech, 61-63; Southern California, 66-7, res. fel, Chricago, 60-61. U.S.A, 51-63, lat Lt. Speech Asn. Am; Polit. Sci. Asn. Experimental communication; political behavior of voting public; propaganda analysis. Publ: The conference method: panacea or paradox, J. Am. Soc. Training pirs, 12/59; The folklore of American education, Col. & Univ, winter 61. Address: 3780 Third St. Riverside, Calif. 92501.

DEAN, PROF. SANFORD J. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn, 69-, Dept. of Psychology, Northern Illinois University, De Kalb, Ill. 60115.

DEAN, PROF. WILLIAM GEORGE, b. Toronto, Ont. Nov. 29, 21; m. 48; c. 2. GEOGRAPHY, GEOMORPHOLOGY. B. A. Toronto, 49, fel., 42-50, M.A. 50; Carnegie Arctic fel, McGill, 50-52, P.D. (geog), 59. Demonstr, geog, Toronto, 47-49; geogr, B.C. Dept. Lands, 52-53; asst. prof. 6EOG, United Col., Winnipeg, 53-56; lectr, TORONTO, 56-58, asst. prof. 56-53, assoc. prof., 63-69, PROF. 69- U.S. Nat. Sci. Found. fel, Seattle, Wash, 63. Res. consult, Rand Corp. Calif., 53-87. Can. Army, 41-46, Capt. Can. Asn. Geog. (ed, Can. Geogr, 60-67); Can. Asn. Univ. Teachers (exec. coun, 68-70). Arctic Canada; Pleistocene geomorphology; geographical location, economic geography and cartography. Publ: Co-auth, Economic atlas of Ontario, Univ. Toronto, 69. Address: Dept. of Geography, University of Toronto, Toronto 181, Ont, Can.

DEANS, DR. ROBERT H, b. Boston, Mass, May 28, 31; m. 66; c. 1. ECO-NOMICS. B.A, Massachusetts, 54; M.A. Pittsburgh, 60, Ph.D. (econ), 66. Asst. prof. econ, Duquesen, 62-67; local currency officer, Agency Int. Develop, 67-68; ASST. PROF. ECON. & ASST. DIR. BUR. ECON. & BUS. RES. TEMPLE, 68- Ed. Econ. & Bus. Bull, Temple, 69: mem, Agr. Develop. Coun, 66-67. U.S.A.F, 54-57, 1st Lt. Econ. Asn, Int. Econ. Asn. United States foreign aid programs in economic development, world income distribution and the cost burden of debt. Publ: Role of P. L. 480 program in Spanish economic development, 195-65, Agr. Develop. Coun, 67; Potential effects of U.S. commodity grants to other countries, Am. J. Agr. Econ, Philadelphia, Pa. 19122.

DEATHERAGE, DR. BRUCE H(AMPTON). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Spec. res. assoc, 69-, Applied Research Labs, P.O. Box 8029, University Station, Austin, Tex. 78712.

DEAUX, DR. KAY K, b. Warren, Ohio Nov. 4, 41. SOCIAL PSYCHOLOGY. B.A, Northwestern, 63; Ph.D.(soc. psychol), Texas, 67. ASST. PROF. PSY-GHOL, Wright State, 67.-70; PURDLE, 70- Psychol. Asn; Soc. Psychol. Study Soc. Issues. Attitude change; cross-cultural research. Address: Dept. of Psychology, Purdue University, Lafayette, Ind. 47807.

DEBBINS, PROF. WILLIAM. Philosophy. See 5th ed, Dir. Am. Scholars. Vol. IV, Philos, Relig. & Law.

de BEERS, DR. JOHN S(TERLING). Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Dir. econ. & soc. develop. div. Inter-Am. Develop. Bank, 70- Address: 5135 Newport Ave, Washington, D.C. 20016.

DeBERRY, DR. CLYDE EDWARD, b. Highpoint, N.C., Apr. 8, 33; div; c. 4
EDUCATIONAL ADMINISTRATION. B.S. N.C. State Col. 57; M.A., Northern
Arisona, 63; D. Ed. (ed. admin.), Oregon, 67. Res. asst, inst. comp. exp. res.
behav. systs, Univ. Oregon, 63-69, dir. sch. desegregation training & res.
center, 67-69; INSTR. COMMUNITY ORGN, CONTRA COSTA COL, SAN
PABLO, 69-, DIR. EQUAL ED. OPPORTUNITY PROG. SEQUOIA UNION
HIGH SCH. DIST, REDWOOD CITY, 70- Dir. behav. sci. res. Hunters PointBay View behav. sci. res. & eval. dept, San Francisco, 68-69; lectr, sch.
community med, sch. med, California, San Francisco, 68-69; sch. pub.
health, California, 69. U.S.A. F., 56-58. Acad. Soc. Sci; Psychol. Asn.
Bocto-psychological research with regard to health and education problems
with particular emphasis on low-income groups. Publ: Co-auth, School and
race in Portland, Integrated Ed. Assocs, 4-5/65; auth, Black power and
black population: a dilemma, Oregonia Mag, fall 67; White America must
support Dlack power, Ore. Daily Emerald, 68. Address: 656 Wellington Dr.
San Carlos, Calif. 94070.

DE BLIJ, PROF. HARM JAN. Geography. See A-K Vol., 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn, 69-, Dept. of Geography, University of Miami, Coral Gables, Fla. 33124.

DEBONS, DR. ANTHONY. Experimental Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Prof. info. sci, Pittsburgh, 70- Address: Interdisciplinary Doctoral Program in Information Science, University of Pittsburgh, Pittsburgh, Pa. 15238.

De BURGER, DR. JAMES EDWARD. Sociology, Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also chmn, 68-, Dept. of Sociology, University of Louisville, Belknap Campus, Louisville, Ky. 46208.

DE CANDIDO, DR. NORMA, b. Park Ridge, N.J. Sept. 5, 34. POLITICAL SCI-ENCE. B.A. Rutgers, 55; Ph.D. Columbia, 69. Lectr. POLIT. SCI, CITY COL. NEW YORK, 63-69, ASSOC. PROF, 69. Polit. Sci. Ass; Soc. Pub. Admin. Technical assistance programs in public administration, especially those of United States government and United Nations in Latin America. Address: 52 Spring Valley Rd, Park Ridge, N.J. 07656.

DE CARLO, DR. GUY RICHARD, b. Baltimore, Md, July 18, 39; m. 65; c. 3. ECONOMICS. B.A, Maryland, 62, Nat. Defense fel, 62-65, Ph.D. (econ), 66. Res. assoc. ECON, Md. tax study, 63-64; ASST. PROF, MARYLAND, 65; GEORGE WASHINGTON, 67- Economist, Fed. Reserve Bd, 65-66; Int. Bus. Mach. Corp, 66- Econ. Asn; Economiet. Soc. International economics; regional analysis; econometric modeling. Publ: Co-auth, A regional socioecomomic model, Int. Bus. Mach. Corp, N.Y, 68 & The Ontario input/output model, Dept. Treas. & Econ, Ontario, Can, 69; auth, Interest sensitivity of short-term capital movements: some recent statistical studies, Kyklos, 11/69. Address: 8639 Chapel Drive, Annandale, Va. 22003.

- DE CASAL, DR ELVIRA FERNANDEZ, b. Havana, Cuba, Nov. 18, 23; U.S. citizen; m. 53; c. 2. EDUCATIONAL PSYCHOLOGY. Ed.D.(ed. psychol), Havana, 46, Ph.D. (psychol), 53; Minnesota, 49-50. Asst. prof. psychol, Havana, 43-60; chief prinl. serv. Job Orientation in the Neighborhoods, New York Munic. Dept, 64-65; ASST. PROF. PSYCHOL, INTER-AM. UNIV. P.R. 67-, CHMN. DEPT. 69-Psychol. Asn. Address; 106 Tres Hermanos St. Condado, P. R. 00907.
- DE CECCO, DR. JOHN PAUL, JR. Psychology, Education. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 68-, Center for Research and Education in American Liberties, Teachers College, Columbia University, New York, N.Y. 10027.
- Decencio, Dr. Dominic Vincent. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. prof, sch. med, Temple, 70-& asst. v.pres, health sci. center, 69- Address: Health Sciences Center, Temple University, 3400 N. Broad St, Philadelphia, Pa. 19440.
- DECHERT, PROF. CHARLES R(ICHARD). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New publ: Co-auth, Positive feedback: a general systems approach to positive/negative feedback and mutual causality, Pergamon, 68. Address: 1308 Perry St. N.E., Washington, D.C. 20017.
- DECKER, DR D(ALE) ALAN, b. Carmel, Calif, Feb. 18, 45; m. 66. POLITI-CAL SCIENCE. Chicago, summer 63; Paris, 63-64; A.B., Claremont Men's Col, 66, M.A., Claremont Grad. Sch., 68, Ph.D.(govt. admin), 70. Paritume teacher, sch. dist, Calif, 67-68; instr., WiS. STATE, STEVENS PONT, 68-69, ASST. PROF. POLIT. SCi, 69. Vis. prof, Hartnell Col, summer 69. Consult, City of Wisconsin Rapids, Wis, 69. Mem, Gov. Task Force Calif. Commitment, 66 publical and assumptive theory; public administration. Address: \$701 Robert Place, Stevens Point, Wis. 54481.
- DeFELICE, DR. FRANK, b. Boston, Mass, Dec. 20, 32; m. 50; c. 3. ECO-NOMICS, FINANCE. B.A, Mich. State, 61; Nat. Defense fel, North Carolina, 61-64, M.B.A, 63, Ph.D. (econ), 66. Instr. econ, North Carolina, Chapel Hill, 63-64; econ. & bus. admin, North Carolina, Grenesboro, 64-65; assec. prof. econ. East Carolina Col., 65-66; asst. prof. econ. & bus. admin, North Carolina, Chapitolite, 66-69, ASSOC. PROF. ECON. QUEENS COL. (N.C.), 69-Ford Found. faculty fel, Duke Univ-Univ. North Carolina coop. prog. int. studies, 66-69; participant, Nat. Sci. Found. summer inst. comput. sci, 69. U.S.N., 50-53. Econ. Asn. Soviet economy; econometrics. Publ: Soviet distributing policy, Rivista Internazionale di Science e Commerciali, 6/68, Productivity changes in Soviet distribution, Econ. J. 3/69 & Security and investment; more evidence, J. Finance, (in press). Address: Dept. of Economics, Queens College, Charlotte, N.C. 28207.
- DEFFENBACHER, DR. KENNETH A, b. Edinburg, Tex, Jan. 24, 43; m. 64; c. 1. PSYCHOLOGY. B.S. Washington (Seattle), 64, U.S. Pub. Health Serv. fel, 66, Ph.D. (psychol), 68. ASST. PROF. PSYCHOL. NEBRASKA, OMAHA, 68- Senate Res. Cmt. grant, Nebraska, Omaha, 70-71; summer res. assoc, U.S. Air Force grant, 68. Psychol. Asn. Cognitive processes; perception; computer simulation; artificial intelligence. Publ: Co-auth, Concept learning with one relevant dimension in the squirrel monkey, Psychonomic Sci, 66 & Conjunctive and disjunctive concept learning in humans and squirrel monkeys, Can. J. Psychol, 67; auth, An extension of four single-cue process models to conjunctive concept learning, Psychol. Reports, 70. Address: Dept. of Psychology, University of Nebraska at Omaha, Omaha, Nebr. 68132.
- DeFRIESE, DR. GORDON H, b. Trion, Ga, Apr. 25, 42; m. 64; c. 2. SOCI-OLOGY. B.S, Middle Tenn. State, 63; M.A, Kentucky, 66, Ph.D.(sociol), 67. Instr. med. behav. sci, cols. med. & dent, Kentucky, 66-67; ASST. PROF. SOCIOL, CORNELL, 69- U.S.A, 67-69, Capt. Sociol. Asn; Soc. Study Social Probs, Pub. Health Asn. Attitude theory and measurement; deviant behavior; occupational socialization; social psychiatry and illness behavior; complex organizations; urban sociology. Publ: Open occupancy—what whites say, what they do, Trans-Action, 4/68; Verbal attitudes, overt acts and the influence of social constraint in interracial behavior; Soc. Probs, spring 69. Address: Dept. of Sociology, Cornell University, Ithaca, N.Y. 14850.
- DEGLER, PROF. CARROLL M. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Whittemore School of Business & Economics, University of New Hampshire, Durham, N.H. 03824.
- De GREGORI, DR. THOMAS ROGER. Economic History & Development. See 5th ed, Dir. Am. Scholars, Vol. I. Hist.
- DE GROOT, DR. SYBIL GRAMLICH, b. Evanston, 111, Feb. 28, 26; div; c. 3. FSYCHOLOGY. B.A, Ohio State, 47, M.A, 49, Ph.D. (eng., psychol), 68. Res. asst, inst. coop. res, Hopkins, 50-51; psychophysicist of vision, U.S. Naval Med. Res. Lab, Conn, 51-52; staff psychologist, Dunlap & Assocs, 58-62; res. assoc, bur. ed. res. & serv, Ohio State Univ, 62-66, div. info. & comput. sci, 66-68; ASST. PROF. PSYCHOL, MONTANA STATE, 68- Psychol. Asn; Human Factors Soc; Soc. Eng. Psychol. Sensation; perception; information processing; human performance; perceptual-motor skills; vision; psychometrics; psychological statistics. Address: Dept. of Psychology, Montana State University, Bozeman, Mont. 59715.
- DeHAAN, PROF. ROBERT F(RANK). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 826 E. Haines St, Philadelphia, Pa. 19138.
- DE HAVEN, DR. RALPH KENNETH, b. Fair Grove, Mo, Aug. 23, 32; m. 60; c. 3. ACRICULTURAL ECONOMICS. B.S, Southwest Mo. State Col. 64; M.S. Missouri, 66, Nat. Defense Ed. Act Lel, 66-89, Ph.D (agr. econ), 69. ASST. PROF. AGR. ECON, CLEMSON, 69- Agr. Econ. Asn. Laward of merit in res, 67). Dairy marketing; location analysis. Publ: Co-auth, A method for evaluation of alternative milk pricting plans, Res. Bull, Univ. Mo, 5/68. Address: Dept. of Agricultural Economics, Clemson University, Clemson, S.C. 29631.

- DeHAYES, DR. DANIEL WESLEY, JR, b. Columbus, Ohio; Sept. 23, 41; m. 68. BUSINESS LOGISTICS, MARKETING. B.Sc., Ohio State, 63, Nat. Defense Ed. Act fel, 63-66, M.B.A, 64, Ph.D. Dus. logistics), 66. ASST. PROF. mgt, Naval Postgrad. Sch, 67-69; BUS. LOGISTICS, INDIANA, BLOOMINGTON, 69- Mem, Transportation Res. Forum. U.S.A, 67-69, Capt. Inst. Mgt. Set; Inst. Decision Sci. Facility location analysis; logistics system design; transport carrier evaluation and selection; systems analysis. Publ: Co-auth, Transports selection by interfirm analysis, Transportation & Distribution Mgt, 67; auth, Industrial transportation planning; estimating the transit time for rail carload shipments, Transportation Res. Forum, 69 & Education for logistics management, Logistics Spectrum, spring 70. Address: Dept. of Business Logistics, Indiana University School of Business, Bloomington, Ind. 47401.
- DE HOYOS, DR. ARTURO, b. Piedras Nigras, Mex, Sept. 21, 25; U.S. citizen; m. 50; c. 3. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.A. Brigham Young, 52, M.A, 54; Ph.D. (sociol, anthrop), Mich. State, 61. Asst. prof. sociol, Depauw, 59-61; res. assoc: med. sociol, med. center, Indiana, 61-68, dir. Irield studies, 64; ASSOC. PROF. SOCIOL, BRIGHAM YOUNG, 68- Fubright res. scholar, Uruguay, summer 66. Sociol. Asn; Soc. Study Social Probs. Minority relations and problems, including the analysis of personality and social adjustment of American Indian, Mexican Americans and Negroes. Publ: The amigo system and alienation of the wife in the conjugal Mexican family, Wiley, 66; Symptomatology differentials between white and Negro schizophrenics, Int. J. Soc. Psychiat, 65; The professional mobility of social work and its middle class orientation, Am. J. Orthopsychiat, 68. Address: Dept. of Sociology, Brigham Young University, Provo, Utah 84601.
- DEIKMAN, DR. ARTHUR JOSEPH, U.S. citizen. PSYCHIATRY. B. A. Harvard, 51, M.D, 55. Intern, Phila. Hosp, Pa, 55-56; resident neuropsychiat, West Haven Vet. Admin. Hosp, 56-57; chief psychiat, Amarillo Air Force Base, Tex, 57-58, staff psychiatrist, Andrews Air Force Base, DC, 58-59; instr., exten, Univ. Massachusetts, 60; assoc. staff, Pittsfield Gen. Hosp, Mass, 61; U.S. Pub. Health Serv. spec. res. fel, Austen Riggs Center, 61-63, assoc. res. staff PSYCHIAT, 63-68. ASSOC. PROF, MED. CENTER, COLORADO, 68- Consult, Family & Children Serv, Pittsfield, Mass, 66-68. U.S.A.F, 57-59. Psychiat. Asn. Effects of focused attention on the state of consciousness; altered states of consciousness in mysticism, pychosis and drug states. Publ: Experimental meditation, 4/63 & Implications of experimental meditation, 10/66, J. Nervous & Ment. Disease; De-automatization and the mystic experience, Psychiatry, 11/66. Address: Dept. of Psychiatry, University of Colorado Medical Center, 4200 E. Ninth Ave, Denver, Colo. 80222.
- DEININGER, PROF. WHITAKER T(HOMPSON). History, Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- DEITZER, DR. BERNARD A, b. July 9, 21; U.S. citizen; m. 52; c. 2. MAN-AGEMENT, INDUSTRIAL RELATIONS. A.B., Allegheny Col., 47; M.L.L., Pittsburgh, 50; Ph.D. (mgt), Ohio State, 67. Training dir, Valley Nat. Bank, Ariz, 50-55; personnel dir, Union Co, 55-60; mgt. develop. dir, Nationwide Insurance, Ohio, 60-67; ASSOC. PROF. BUS. POLICY & INDUST. RELS, AKRON, 67- Lectr, Ohio State, 57-67. Consult bus. & indust. U.S.A, 43-45. Acad. Mgt; Soc. Personnel Admin. Insurance; management development; personnel management research activities. Publ. Student outlines in the principles of management, 69, Ins. Inst. Am. Address: Dept. of Management, University of Akron, Akron, Ohio 44304.
- DeJANES, DR. ROBERT B(ENNESON), b. Washington, D.C., June 1, 35; m. 57; c. 2. POLITICAL SCIENCE. B.A, George Washington, 57; M.A, Tennessee, 59; Paris, 62; Indiana, 63; Schmitt Icl. & Ph.D. (for, affairs), Virginia, 65.
 Asst. prof. polit. sci, Southern Methodist, 60-61; Birmingham-South. Col, 62-65; dean students, Athens Col, 65-68; ASSOC. PROF. POLIT. SCI, OGLE-THORPE COL, 68- Consult. ed, Congressional Quart. Inc, D.C, 64-65.
 U.S.A, 57-65, 1st Lt. Polit. Sci. Asn. Congressional behavior of the Southern states; nature of Southern informal politics in the House and Senate of National Congress. Address: Dept. of Political Science, Oglethorpe College, Atlanta, 6a. 30319.
- DE JONG, DR. PIETER. Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- DEKMEJIAN, DR. RICHARD HRAIR. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. 69-, Dept. of Political Science, State University of New York at Binghamton, Binghamton, N.Y. 13901.
- DELAGARZA, DR. C(ESAR) (OCTAVIO). Clinical & Industrial Psychology. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New information: Chief psychologist, Hunterdon State Sch, Clinton, N.J. Address: Dept. of Psychology, Drew University, Madison, N.J. 07940.
- DeLAMATER, DR. JOHN DELOS, b. San Diego, Calif, Oct. 12, 40; m. 66. SO-CIAL PSYCHOLOGY. B. A. California, Santa Barbara, 63; M.S. Michigan, 66, Ph.D. (soc. psychol), 69. Lectr. sociol. & psychol, Michigan, 68-69; ASST. PROF. SOCIOL, WISCONSIN, MADISON, 69- Hon. Woodrow Wilson fel. AASS, Soc. Psychol. Study of Social Issues; Sociol. Asn. Relationships between individuals and larger social units, small groups, complex organizations and society, especially deviant behavior, national involvement, small groups and education. Publ: Co-auth, Social psychological research in developing countries, J. Soc. Issues, 4/68; auth, On the nature of deviance, Soc. Forces, 6/68; co-auth, On the nature of national involvement: a preliminary study, J. Conflict Resolution, 9/69. Address: Dept. of Sociology, University of Wisconsin, Madison, Wis. 53706.
- DELANEY, DR. DANIEL JOSEPH, b. Fall River, Mass, Mar. 15, 38; m. 60; c. 6. COUNSELING & EDUCATIONAL PSYCHOLOGY. A. B, Stonehill Col. 60; M. Ed, State Col. Bridgewater, 62; R.I. Col. & Connecticut, 62-63; Nat. Defense Ed. Act fel, Arizona State, 63-65, Ph.D. (counseling psychol), 65.

Teacher, high sch, Mass, 60-62; dir. guid, Stang High Sch, N.Dartmouth, 62-63; counsr, counseling center, Arizona State, 63-64, Vet, Admin. counsr. & counseling practicum supvr, Vet. Admin. Counseling Center, 64-65; asst. prof. ED. PSYCHOL, COL. ED, ILLINOIS, URBANA, 66-68, ASSOC. PROF, 68- AAAS; Psychol. Asn; Personnel & Guid. Asn; Asn. Counsr. Ed. & Supv. Counseling; supervision; simulation; personality. Publ. Co-auth, Readings in counseling and psychotherapy & Readings in child development, Asn. Ed. Serv. Corps, 68; The counseling process, Rand McNally, (in prep). Address: 188 Education Bldg, University of Illinois, Urbana, Ill. 61801.

DELANEY, DR. ROBERT F(INLEY), b. Fall River, Mass, Aug. 2, 25; m. 50; c. 5. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. B.S. Col. Holy Cross, 46; Harvard, 46; A.M. Boston, 48; B.S. L.S. Catholic Univ, 50, Volker Found, grants, 54-55, Ph.D. (sociol), 59; Vienna, 56. For, serv, officer, U.S. State bept, & Info. Agency, 50-63; pub. rels. adv. Esos Standard Oil, S.Am, 63-65; asst. dir. res. & pub. opinion, U.S. Info. Agency, 67-68; dir. Edward R. Murrow Center Pub. Diplomacy, Fletcher Sch. Law, 68-70; PRES. THUNDERBIRD GRAD. SCH. INT. MGT, 70- Lectr, Boston Univ, 69- Consult, U.S. Naval War Col, 69- Mem, U.S. Cath. Cmn. Intellectual & Cultural Affairs, 64- U.S.N.R, 43-, Capt. Coun. For. Rels; Mgt. Asn; Acad. Polit. & Soc. Sci; Int. Studies Asn. International public opinion and communications research treating especially the media and management. Publ: Your career in foreign service, Rosen, 61; The literature of Communism in America, Catholic Univ, 62; co-auth, American public diplomacy: the first years, Tutts Univ, 67. Address: Thunderbrid Graduate School of International Management, P.O. Box 191, Phoenix, Ariz, 85001.

DE LESPINASSE, DR. PAUL F. Political Science. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position: Assoc. prof. polit. sci, Adrian Col, 69- Address: 1142 College Ave, Adrian, Mich. 49221.

DELHEES, DR. KARL H(EINZ), b. Wittlaer, Germany, Sept. 25, 32; m. 65; c. 1. PSYCHOLOGY. B.S. Loyola (III), 61; Ph.D. (psychol), Zurich, 65. Study dir. consumer res, Inst. Motivational Res, 63-64; res. assoc. personality & motivation res, Illinois, 65-67, res. asst. prof, 67-69; ASST. PROF. PSYCHOL, STATE UNIV. N.Y. BINGHAMTON, 69- Test consult, Inst. Personality & Ability Testing, 66- Soc. Multivariate Exp. Psychol. Basic and applied personality measurement; attitude and interest study; test construction and theory; methodology. Publ. Co-auth, The children motivation analysis test, Inst. Personality & Ability Testing, Champaign, III, 70; auth, The abnormal personality: neurosis and delinquency, In: Handbook of modern personality theory, Aldine, 70; Conceptions of group decision and group conflict applied to vector space: a research model, Acta Psychologica, 12/70. Address; Dept. of Psychology, State University of New York at Binghamton, Binghamton, N.Y. 13901.

DELL, DR. ROBERT T. Religion. See 5th ed, Dir. Am, Scholars, Vol. IV, Philos, Relig. & Law.

DELLA GROTTE, DR. JOSEPH A. European Social & Intellectual History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

DELLIN, DR. L(UBOMIR) A(TANASOV) D(ELINESHEV). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmm, 69-, Center for Area Studies, University of Vermont, Burlington, Vt. 08401.

de LORGE, DR. JOHN OLDHAM. Experimental Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Res. psychologist, 69-, Naval Aerospace Medical Institute, Pensacola, Fla. 32512.

DELORME, DR. ROBERT L, b. Rolla, N.Dak, Aug. 5, 31. POLITICAL SCI-ENCE. B.A, St. John's (Minn), 53; M.A, Minnesota, 62, Ph.D.(polit. sci), 68. ASST. PROF. LATIN AM. GOVT, CALIF. STATE COL. LONG BEACH, 66- U.S.A, 54-56. Economic development in the less-developed nations. Address: Dept. of Political Science, California State College at Long Beach, Long Beach, Calif. 90801.

DELPRATO, DR. DENNIS J(OHM), b. Cherry Valley, Pa, Jan. 8, 42; m. 64; c. 1. EXPERIMENTAL PSYCHOLOGY. B.A, Washington & Jefferson Col. 63; M.S, Ohio, 65; Ph.D, Mich. State, 68. ASST. PROF. PSYCHOL, Miss. State, 68-69; EASTERN MICHIGAN, 69- AAAS; Psychol. Asn. Animal and human learning; aversive conditioning; memory. Publ: Co-auth, Punishment and the length of nonshock confinement during the extinction of avoidance, Can. J. Psychol, 22: 456-464; Pree and modified free recall measures of response recall and unlearning, J. Exp. Psychol, 81: 408-410; Unlearning in the absence of new learning, J. Verbal Learning & Verbal Behay, 8: 386-392. Address: Dept. of Psychology, Eastern Michigan University, Ypsilanti, Mich. 48197.

DEL RUSSO, PROF. ALESSANDRA LUINI. Law, Social Sciences. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

DELWART, LOUIS O. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. econ. & polit. res, Investors Overseas Serv, 68-Address: 8 Chemin des Vidollets, Vernier, Geneva, Switz.

DEMANCHE, SISTER, EDNA LOUISE. Science Education, Plant Physiology, See Suppl. VI to 11th ed, Phys. & Biol. Vols.

DeMARCE, DR. VIRGINIA E(ASLEY). History. See Suppl. I to 5th ed, Dir Am. Scholars.

DE MARTINO, DR. CLAUDE R(OBERT), b. Montreal, Que, Feb. 24, 29; m. 62; c. 1. CLINICAL PSYCHOLOGY. B.S. City Col. New York, 62; Nat. Inst. Ment. Health fel, N.Y. Univ, 66-68, Ph.D. (clin. psychol), 88. Asst. dir. CLIN. PSYCHOL, Country Place, Warren, Conn, 68-69; ASST. PROF, BRITISH COLUMBIA, 69-, univ. res. grant, 69- Consult, B.C. Youth Develop. Center, 69- U.S.A, 45-47, Sgt. AAAS; Psychol. Asn. Subliminal perception; awareness and behavior; psychotherapy. Address: Dept. of Psychology, University of British Columbia, Vancouver 8, B.C, Can.

DEMBER, DR. CYNTHLA F(OX), b. New York, N.Y. Feb. 15, 34; m. 58; c. 3. CLDNCAL PSYCHOLOGY, CHILD DEVELOPMENT. A.B., Vassar Col, 54; M.S., Yale, 55, Ph.D. (psychol), 59. Instr. psychol, Yale, 58.6-59; asst. chief psychologist, Hamilton County Juvenile Court, 39-60; clin. psychologist, Child Guid. Home, 61-64, CHIEF PSYCHOLOGIST, CHILDREN'S PSYCHIAT. CENTER, 64- Adj. asst. prof, 61nemati, 61-67, adj. assco. prof, 68- Psychol. Asn. Comprehensive developmental assessment of children; underachievement; depression in children. Address: Children's Psychiatric Center, 3140 Harvey Ave, Cincinnati, Ohio 45229.

DEMBER, PROF. WILLIAM N(ORTON). Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: 920 Oregon Trail, Cincinnati, Ohio 45215.

DEMBITZ, LEWIS N. Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Sr. assoc. & dir. res, Carter H. Golembe Assocs, Inc. 69-Address: 3414 Garfield St. N.W. Washington, D. C. 20007.

de MENIL₄ DR. GEORGE. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 27 Chestnut St, Boston, Mass. 02108.

de MILLE, DR. RICHARD, b. Monrovia, Calif, Feb. 12, 22; m. 55; c. 2. PSY CHOLOGY. A.B. Pepperdine Col, 55; Ph.D. (psychol). Southern California, 61. Adj. asst. prof. psychol. & study leader apitudes res. prof. Southern California, 61-62; lectr, California, Santa Barbara, 62-65; consult. & ed. dir, Brooks Found, Calif. 65-67; MEM. TECH. STAFF, SOC. SYSTS. DEPT, GEN. RES. CORP, 67- Res. assoc, Southern California, 62-64; Res. design consult, Santa Barbara Ment. Health Serv. 64. U.S.A.A.F, 34-86. Psychol. Asn. Psychometrics; surveys. Publ; Put your mother on the ceiling; children's imagination games, Walker, 67; Epilepsy in cataonic schizophrenics after transorbital leucotomy, J. Nervous & Ment. Disease, 139: 393-395 & Logical and empirical oppositeness in value responses, Psychol. Reports. 26: 143-154. Address: 960 Lilac Dr, Santa Barbara, Calif. 93103.

DEMOND, HELEN F(AIRCHILD). Economics, Statistics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Retired, 69. Address: 1238 29th St. N.W. Washington, D.C. 20007.

DeMYER, DR. MARIAN K, b. Greensburg, Ind, Oct. 30, 22; m. 52; c. 3. CHILD PSYCHIATRY. B.S. Indiana, 49, M.D. 52. Res. Instr. psychiat, sch. med, Indiana, 55-56; els. child psychiat, East, Pa. Psychiat. Inst, 56-57; instr. PSYCHIAT, SCH. MED, INDIANA, 57-61, asst. prof. 61-65, assoc. prof. 65-69, PROF. 69, DIR. CLIN. RES. CENTER FOR EARLY CHILDHOOD SCHIZO-PHRENIA, 61- Dir. children's serv, Carter Mem. Hosp, 57-61; prin. investr, Nat. Inst, Ment. Health grant, 61- Dipl, Am. Bd. Psychiat, & Neurol, 59, cert. child psychiat, 60, asst. exam, 68, Psychiat. Asn; fel. Orthopsychiat. Asn. World Fedn. Ment. Health. Childhood autism and schizophrenia etiology; family structure, symptomatology, treatment, biochemistry. Address: Dept. of Psychiatry, Indiana University School of Medicine, 1315 W. Tenth St, Indianapolis, Ind. 46202.

DENEGRE, DR. JOSEPH, JR, b. New Haven, Conn, Jan. 14, 32; m. 53; c. 4. PSYCHOLOGY. B.A. Connecticut, 53, Ph.D. (learning), 62. Sr. res. engr. N.Am. Aviation, 61-62; human factors engr. Sikorsky Aircraft, 62-63; res. asst. prof. PSYCHOL, Connecticut, 63-64; Nat. Inst. Ment. Health fel, Yale. 64-66; ASSOC. PROF, SOUTH. CONN. STATE COL., 66- U. S.A. F. 53-57, 18; Lt. Psychol. Asn; Human Factors Soc. Discrimination learning in normal and retarded children. Publ: Influence of various cues associated with reward on retardate discrimination learning, J. Exp. Child Psychol; co-auth. Variability of irrelevant discriminable stimuli, J. Exp. Psychol. Address: 283 Mountain Rd, Cheshire, Conn. 06410.

DENENBERG, DR. HERBERT S(IDNEY). Economics, Law. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Loman prof. ins. 68-, Wharton School of Finance & Commerce, University of Pennsylvania, Philadelphia. Pa. 19104.

DENHOLM, DONALD HOWARD. Industrial Engineering. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof, 68-, Dept. of Industrial Engineering, Auburr University, Auburn, Ala. 36830.

DENIKE, PROF. K(ENNETH), b. Summerland, B.C. Nov. 21, 39; m. 66; c. 1. GEOGRAPHY. B.Sc. British Columbia, 63, M.Sc. 65; Cent. Mortgage & Housing Cmn. fel, Pennsylvania, 66-69, M.A. 67. Instr. physics. British Columbia, 63-64; planning asst. info. systs, City of Vancouver, B.C. 65; lectr. quant. anal, Pennsylvania, 68-69; ASST. PROF. GEOG. BRITISH CO-LUMBIA, 69-8es, grants, Can. Fransportation Cnn. Can. Coun, Can. Dept. Wildlife & Ford Found, 70- Regional Sci. Asn. Can. Asn. Geog. Research into the spatial implications of public policy, especially the existing patterns of public facilities and welfare considerations involved in locating these facilities. Publ: Co-auth, Production in space, spatial competition and restricted entry, J. Regional Sci. 70 & Theoretical problems in central place analysis, Econ. Geog. fall 70. Address: Dept. of Geography, University of British Columbia, Vancouver 8, B.C. Can.

DENMAN, DR. CLAYTON CHARLTON, b. Seattle, Wash, Dec. 15, 30; m. 65. ANTHROPOLOGY, BA, Washington (Seattle), 56, M.A. 60; Ph.D. (anthrop), California, Berkeley, 68. Asst. prof. ANTHROP, CENT. WASH. STATE COL., 64-68, ASSOC. PDOF, 68- PBES. & CO-DIP, SMALL TOWNS INST. 69- Fel. Anthrop, Asn. Soc. Appl. Anthrop. Manpower and human resources development; small communities; American Indian problems, including education; Korean culture and society. Publ. The role of cultural patterns in manpower development, Must. Rels. Center, Iowa State Univ. 69; Social customs and facility planning, Area Develop. Mag, 12/68. Address: Dept. of Anthropology, Central Washington State College, Ellensburg, Wash. 98926.

DENMARK, DR. FLORENCE L. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 70-, Dept. of Psychology, Hunter College, New York, N.Y. 10021.

- DENNEY, PROF. ARTHUR HUGH, b. Rosendale, Mo, Sept. 25, 16; m. 39; c. 2. ECONOMICS, SCCIOLOGY. B.S., Missouri, 38, M.A., 50; London, 69. Proj. leader, Mo. Conserv. Cmn. 38-41, proj. coordinator conserv. planning, 41. 44; head recreation, Mo. Resources & Develop. Cmn, 44-45, dtr. resource develop, 45-47; owner-operator. Blue Springs Lodge & Holiday House, 48-50; admin. asst, McDonnell Aircraft Corp., 50-54; owner-operator, Blue Springs Lodge, 45-56; ASSOC. PROF. REGIONAL & COMMUNITY AFFARIS, MISSOURI-COLUMBIA, 58- Lectr. West Virginia & Arkansas, 68; Philippines, 69. Consuit, Purdue, 61-64. Agr. Econ. Asn. Regional Sci. Asn. Community Develop. Soc. Delineation of planning regions for network functions; correlates of urban size. Address: Dept. of Regional & Community Affairs, University of Missouri, Columbia, Mo. 65201.
- DENNIS, DR. BENJAMIN G(UMBU), b. Monrovia, Liberia, June 5, 39; m. 67; e. 2. SOCIOLOGY, ANTHROPOLOGY. B.A. & B.S., Lincoln, 54; M.A., Fisk, 56; Washington (St. Louis), 56-59; Ph.D. (sociol, anthrop), Mich. State, 64.
 Asst. prof. SOCIOL. & ANTHROP, OHIO, 64-65, ASSOC. PROF, 66-, chmn. dept, 65-69. Sociol. Asn: Anthrop. Asn; fel. African Studies Asn. Race and ethnic relations as is found in both urban and rural milieu; traditional African societies. Address: Dept. of Sociology & Anthropology, Ohio University, Athens, Ohio 45701.
- DENNIS, LAWRENCE EDWARD, b. Virginia, Minn, Sept. 20, 20. MASS COMMUNICATION. A.B., Iowa State Teachers Col., 40; A.M., Minnesota, 42; Iowa, 46-48. Instr. journalism & polit. sci, Iowa, 46-48, assoc. prof. journalism & citizenship, Kans. State Col., 48-50; spec. asst. to comn. red, U.S. Off. Ed, D.C., 50-51; ed. writer, Des Moines Register-Tribune, 52-53; admin. asst. to pres, Pa. State, 54-55, provots, 56-57, v.pres. acad. affairs, 57-61; assoc. dir., Peace Corp, D.C., 61-62; dir. cmt. acad. affairs & exec. assoc. Am. Coun. Ed. 62-65; ed. prog. consult, Ford Found, Caracas, Venezuela, 65-67; chancellor, R.I. State Syst. Higher Ed, 68-70; PROVOST, MASS. STATE COL. SYST, 70. News analyst, Sta. WSUI, Iowa, 46-47; sta. KSAC. Kans, 48-50; pub. affairs columnist, Iowa City Daily Iowan, 46-48; Manhattan Tribune-News, Kans, 48-50. Polit. Sci. Asn. Asn. Ed. in Journalism. Adult Ed. Asn. U.S. International Ireedom of information; interpretation of contemporary affairs; teaching of public affairs. Address: Division of State Colleges, 65 Franklin St, Boston, Mass. 02110.
- DENNIS, PROF. WAYNE. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 70. Address: Doswell, Va. 23047.
- DENNY, DEAN BREWSTER C(ASTBERG). Political Science. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Dean, 68-, Graduate School of Public Affairs, University of Washington, Seattle, Wash. 98105.
- DENNY, DR. NATHAN ROBERT, b. Lake Charles, La, July 5, 42; m. 62; c. 1. EXPERIMENTAL PSYCHOLOGY. B. A. La. State, 63; M. A. Oregon, 65; Ph. D. (memory), 67. ASST. PROF. EXP. PSYCHOL. TEXAS TECH, 67-Tex. State res. grant, 68-; prin. investr, Themis contract, U.S. Dept. Defense, 69-Psychol. Asn. Function of human memory performance in complex sequential information processing, especially concept learning, probability discrimination and complex tracking. Address: Dept. of Psychology, Texas Tech University, Lubbock, Tex. 79409.
- DENO. DR. STANLEY LYNN, b. Minneapolis, Minn, May 23, 36; m. 65. EDU-CATIONAL PSYCHOLOGY. B.A. St. Olaf Col., 58; Ph.D. (ed. psychol), Minnesota, 65. Teacher, Bloomington Pub. Schs, 62-63; from asst. prof. to assoc. prof. ed. psychol, Delaware, 66-69; VIS. PROF. SPEC. ED, MINNE-SOTA, MINNEAPOLIS, 69 U.S.A.F., 58-61, Capt. Psychol. Asn; Ed. Res. Asn; Nat. Soc. Study Ed. School learning; contingency management; learning problems; educational research. Publ: Co-auth, Student motivation and classroom management, Behav. Technics, Inc., 69; auth, Learning language equivalents, 67 & co-auth, Influence of student feedback on teacher's self-evaluations, 11/69, J. Ed. Psychol. Address: Dept. of Special Education, University of Minnesota. Minneapolis, Minn. 55455.
- DENT, DR. ORAN B(AILEY). Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir. clin. training, 69-, Section of Psychology. Preskyterian-St. Luke's Hospital, 1753 W. Congress Pkwy, Chicago, Ill. 60612.
- DENTAN, DR. ROBERT K. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. anthrop. & Am. studies, 69-, Dept. of Anthropology, State University of New York at Buffalo, 4242 Ridge Lea Rd, Buffalo, N.Y. 14226.
- DePROSPO, DR. ERNEST ROCCO, JR. Public Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 16 Westwood Rd, East Brunswick, N.J. 08816.
- DERGE, DR. DAVID R, JR. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. polit. sci, deam. admin. & exec. v.pres, 69-. Indiana University, 200 Bryan Hall, Bloomington, Ind. 47401.
- DEROGATIS, DR. LEONARD R, b. Wilmington, Del, Sept. 24, 38. PSYCHOL-OGY. B. A, Delaware, 61; M. A, Catholic Univ, 64, Ph.D. (psychol), 65. Res. psychologist, E.J. du Pont de Nemours & Co, 65-67; sr. res. scientist, blomet. lab, George Washington, 67-69; ASST. PROF. MED. PSYCHOL, SCH. MED, HOPKINS, 69-Psychol. Asn. Development of computerized statistical models for assessment and prediction in research in psychoplathology and psychopharmacology. Publ. Structural vs interpretive ambiguity, J. Proj. Tech. & Personality, 2/68. The power of the IMPS in psychiatric drug research, Arch. Gen. Psychiat, 12/69 Dimensions of outpatient neurotic pathology, J. Consult. & Clin. Psychol. 4/70. Address: Dept. of Psychiatry, Johns Hopkins University School of Medicine, Baltimore, Mc. 21205.
- DERR, DR. DONN ALLAN, b. Kenton, Ohio, July 21, 40; m. 64; c. 1. AGRI-CULTURAL ECONOMICS. B.S., Ohio State, 62, M.S., 64, Ph.D.(agr. econ), 68. Res. asst. agr. econ, Ohio Agr. Exp. Sta, 82-84; rev. appraiser; State Dept. Hwys, Ohio, 64-65; res. assoc. AGR. ECON, Ohio Agr. Res. & Develop. Center, 65-68; ASST. PROF, RUTGERS, 68- Agr. Econ. Asn;

- Econ. Asn. Resource economics; land and water resources; real estate economics. Address: Dept. of Agricultural Economics & Marketing, Rutgers, The State University, New Brunswick, N.J. 08903.
- DERRIG, RAYMOND, S.J., b. Denver, Colo, July 6, 16. POLITICAL SCIENCE & PHILOSOPHY. A.B, St. Louis, 39, Ph.L, 41, M.A, 44, S.T.L, 48, Ph.D, 60. Instr. soc. studies, Campion Col, 42-44; POLIT. SCI, Marquette, 54-55; ST. LOUIS, 55-60, asst. prof. 60-64, ASSOC. PROF. 64- Vis. lectr, Seattle (St. Louis), 63. Mem, Conf. Study Polit. Thought. Polit. Sci. Asn. American political thought; American socialism; church-state relations. Address: Dept. of Political Science, St. Louis University, St. Louis, Mo. 63103.
- DERSHOWITZ, PROF. ALAN MORTON. Law, Law & Behavioral Science. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- DeSALVO, DR. ROBERT JAMES, b. Toledo, Ohio, July 20, 33; m. 67. PHARMACEUTICAL ECONOMICS. B.S, Toledo, 56; M.S, Pittsburgh, 65, Ph.D. (pharmaceut. econ), 67. Instr. pharmaceut. econ, 197. Pittsburgh, 65-69; ASST. PROF. PHARM. ADMIN, PURDUE, 67. U.S.A, 56-58. Am. Pharmaceut. Asn; Acad. Pharmaceut. Sci. Health economics; prepald prescriptions; marketing of drug products; drug distribution. Address: Dept. of Pharmacy Administration, School of Pharmacy & Pharmacal Sciences, Purdue University, Lafayette, Ind. 47907.
- DESJARLAIS, DEAN LIONEL, b. Providence, R.I. June 21, 20; Can. citizen; m. 53; c. 3. PSYCHOLINGUISTICS, EDUCATION. B. A., Montreal, 40, m. 53; c. 3. PSYCHOLINGUISTICS, EDUCATION. B. A., Montreal, 40, 41; M.A., Ottawa (Ont), 47, Ph.D. (ed), 54. Teacher, elem. schs, ont, 41-49, sec. schs, 49-54; prof. ed, Ottawa (Ont), 34-55, psychol, teachers col, 55-62; supt. elem. schs, Ottawa, 62-64; prof. ed, faculty psychol. & ed, OTTAWA (ONT), 64-67, DEAN FACULTY ED, 67 Consult, Ottawa Separate Sch. Bd, 67- Am. Ed. Res. Asn, Can. Psychol. Asn, Can. Asn. Deans Ed. (pres, 68-69). Psycholinguistics and second language studies; bilingualism. Publ: Is 1.Q. enough, in: Education of the gifted, Copp Clark, 58; co-auth, English as a second language, Ont. Curriculum Inst, 65 & Training of elementary school teachers, Govt. Ont, 66. Address: 1684 Rhodes Court, Ottawa 8, Ont, Can.
- DESMONDE, PROF. WILLIAM H. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- DeSOMOGYI, DR. JOSEPH. Middle Eastern History & Economics. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- DESTOUNS, DR. NICHOLAS, b. Patras, Greece, Mar. 14, 27; U.S. citizen; m. 54. PSYCHIATRY. Mil. Med. Acad. Greece, 47-51; M.D. Nat. Univ. Athens, 53. Teaching fel, psychiat, Pitsburgh, 57-58, instr. 58; rea. assoc, Dalhousie, 59-62; dir. res. Crownsville State Hosp, Md, 63-65; clin. dir. psychiat, Del. State Hosp, 65-67; asst, prof. Albert Einstein Col. Med. 67-69; ASSOC. PROP. PSYCHOL, PACE COL. 69- Lectr. psychiat. inst, Univ. Maryland, 63-65; lectr. der. res. assoc, Jefferson Med. Col. 56-68. Consult, Albert Einstein Col. Med. 6 Bronx Munic. Med. Center, 67- AAAS; fel. Am. Geriat. Soc; fel. Acad. Psychosom. Med; Am. Psychiat. Asn; Can. Psychiat. Asn; fel. Royal Med. Soc; World Psychiat. Asn. Psychosomatic aspects of pregnancy; psychopsomatic aspects of lupus crythe matusus. Publ: The salutary effects of tofranil on adult psychotic enuretics, J. Psychiat. Commun, 11/64; Post partum psychiatric syndromes, 1/66 & The relationship between schizophrenia and toxoplasmosis, 11/66, Del. Med. J. Address: Dept. of Psychology, Pace College, 41 Park Row, New York, N.Y. 10038.
- DETER, DR. FRANCIS H(ARVEY). Clinical Psychology. See A-K Vol., 11th ed, 50c. & Behav. Vols. New position & address: Dir, 69-, Rutherford County Guidance Center, 315 N. Church St, Murfreesboro, Tenn. 37130.
- DETERLINE, DR. WILLIAM ALEXANDER. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Consult, Deterline Assocs, 69-Address: 1990 Scott Lane, Los Altos, Calif. 94025.
- DE VALOIS, PROF. RUSSELL L(EE). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 68-, Dept. of Psychology, University of California, Berkeley, Calif. 94720.
- DEVINO, DR. GARY T(HOMAS). Agricultural Economics, Business Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 70-, Dept. of Agricultural Economics, University of Missouri, Columbia, Mo. 65201.
- DeVRIES, PROF. MARVIN GERARD, b. Grand Rapids, Mich, July 9, 33; m. 53; c. 2. ECONOMICS, STATISTICS. B.S.E. Michigan, 59, M.B.A., 60, 1cls, 59-63, Ph.D. (quant. econ), 63. Res. assoc, inst. sci. & tech, Michigan, 60-65; asst. prof. ECON, GRAND VALLEY STATE COL, 63-66, assoc. prof., 66-70, PROF, 70-, CHMN. DEPT. ECON. & BUS, 66. U.S.A., 53-55. Inst. Mgt. Sci; Opers. Res. Soc. Am; Econ. Asn. Am. Sci. Affiliation. Development of statistical forecasting models; analysis of industrial competitive structure and regional economic development. Publ: Co-auth, Anatomy of an industry, Univ. Michigan, 8/63; auth. The dynamic effects of planning horizons on the selection of optimal product strategies, Mgt. Sci, 4/64 & What hath gold wrought, Valuation, 12/68. Address: Dept. of Economics, Grand Valley State College, Allendale, Mich. 49401.
- deVYER, PROF. FRANK T(RAVER). Labor Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: No longer provost, Duke. Address: 8 Sylvan Rd, Durham, N.C. 27701.
- DE WAAL MALEFIJT, DR. ANNEMARIE. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, Hunter Col, 70-Address: 552 Riverside Dr, Apt. 6-C, New York, N.Y. 10027.
- DEWEY, DR. ANNE HULSE. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, Hunter Col, 69- Address: Box 754, Red Creek Rd, Hampton Bays, N.Y. 11046.

- DEXTER, DR. LEWIS A(NTHONY). Political Science, Sociology. See A-K Vol., 11th ed, Soc. & Behav. Vols. Publ: How organizations are represented in Washington Bobbs, 68 (title change from: Group representatives before government; government relations as a profession and a task). New Publ: Sociology and politics of congress, Rand McNally, 69; Elite and specialized interviewing, Northwestern Univ, 69. Address: 536 Pleasant St, Belmont, Mass. 02178.
- DE YOUNG, DR. KENNETH N(ORMAN). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Staff psychologist, Rohrer, Hibler & Replogle, 69- Address: 1749 Hayes Rd, Marne, Mich. 4954.
- DHILLON, DR. PRITAM SINGH, b. Montgomery, Pakistan, June 13, 35; m. 68. AGRICULTURAL ECONOMICS. B.Sc, Panjab, India, 55, M.A, 57; Ph.D. (agr. econ), Pa. State, 64. ASST. PROF. AGR. ECON, Pa. State, 64-65; RUTGERS, 66- Agr. Econ. Asn. Econ. Asn. Agricultural production.economics; agricultural marketing. Publ: Co-auth, Farm production trends in Pennsylvania to 1960, Pa. Agr. Exp. Sta, 62; auth, Milk production and demand in the Northeast, N.J. Agr. Exp. Sta, 62; auth, Milk production and demand in the Northeast, N.J. Agr. Exp. Sta, 63 Address: Dept. of Agricultural Economics & Marketing, Rutgers University, New Brunswick, N.J. 08903.
- DIAMANT, PROF. ALFRED. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Dept. of Political Science, Indiana University, Bloomington, Ind. 47401.
- DIAMOND, DR. LORRAINE K, b. New York, N.Y., July 16, 25; m. 53; c. 4. EDUCATIONAL PSYCHOLOGY. B.A., Hunter Col., 46; M.S. Michigan, 47; Ph.D. (psychol), Columbia, 53. Res. asst, inst. psychol. res, teachers col., Columbia, 47-49; lectr., City Col. New York, 49-53; res. assoc, puerto Rican Study, New York (City Bd. Ed., 54-56; res. assoc, inst. res. & serv. in nursing ed., teachers col., Columbia, 56-64; lectr., CITY Col., NEW YORK, 64-66, ASST., PROF. ED. PSYCHOL, 66- Res. asst, inst. psychol. res, teachers col., Columbia, 49-53, res. assoc, 53- Psychol. Asn. Educational measurements and research. Publi Co-auth, Satisying and stressful situations in basic programs in nursing education, Bur. Pubs, Teachers Col., Columbia July, 65 & Self perceived mastery of curriculum content and of methods on the part of beginning elementary school teachers and prospective teachers at various stages of preparation, Div. Teacher Ed., City Univ. New York, 67; Nursing students' perceptions of the psychiatric nursing experience, Perspectives in Psychiat. Care, 3: 30-40. Address: 90 La Salle St, New York, N.Y. 10027.
- DIAMOND, DR. NORMA J, b. New York, N.Y, Feb. 12, 33. ANTHROPOLOGY, B.A, Wisconsin, 54; Ph.D.(anthrop), Cornell, 66. ASSOC. PROF. ANTHROP, MICHIGAN, 63. Am. Coun. Learned Socs. & Am. Philos. Soc. [els, 69-70] vis. fel, Acad. Sinica, Taiwan, 69-70. Fel. Anthrop. Asn. Soc. Appl. Anthrop, Asn. Asian Studies. Chinese studies; cultural anthropology; cultures of Northeast Asia, especially problems of modernization and social change, ideology and values of Asian peasantry. Publ: Kru Shen: a Taiwan village, Holt, 69; co-auth, chap, In: Being an anthropologist, Holt, (in press). Address: Dept. of Anthropology, 221 Angell Hall, University of Michigan, Ann Arbor, Mich. 48104.
- DIAMOND, PROF. SIGMUND. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Vis. prof. soc. hist, Hebrew Univ, Jerusalem. Address: Dept. of Sociology, Columbia University, New York, N.Y. 10027.
- DIAZ-BORDENAVE, DR. JUAN ENRIQUE. Communications. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Praia de Flamengo 322 Apt. 401, Rio de Janeiro, Brazil.
- DiCARA, DR. LEO VINCENT. Physiological Psychology. See A-K Vol, 11th ed, 50c. & Behav. Vols. New position & address: Assoc. prof. physiol. psychol, 69-, Rockefeller University, 66th St. & York Ave, New York, N.Y. 10021.
- DICK, DR. ALFRED OTTO, b. Carleton, Mich, Sept. 3, 40; m. 65; c. 1. PSY-CHOLOGY. A.B. Dartmouth Col., 63; M.A., Waterloo, 64, Ont. fel, 64-87, Ph.D. (psychol), 67. Vis. asst. prof. PSYCHOL, Simon Fraser Univ, 66; ASST. PROF. Lake Forest Col., 67-69; ROCHESTER, 69- AAAS; Psychol. Asn. Visual information processing, particularly how organisms receive, analyze, interpret and use information. Publ: Co-auth, An analysis of hierarchical processing in visual perception, Can. J. Psychol, 6/69; auth, Relations between the sensory register and short-term storage in tachistoscopic recognition, J. Exp. Psychol, 11/69; Perception as information processing: a stage analysis, in: Human development and cognitive processes, Holt, 71. Address: Dept. of Psychology, University of Rochester, River Campus Station, Rochester, N.Y. 14627.
- DICK, PROF. HERBERT WILLIAM. Anthropology, Archaeology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. anthrop, 69-, Dept. of Sociology & Anthropology, Adams State College, Alamosa, Colo. 8110.
- DICKERSON, DR. WINDEL LEE, b. Lubbock, Tex, July 30, 37; m. 59; c. 2. EDUCATIONAL PSYCHOLOGY. B.A, N.Tex. State Col, 60, M.S, 61; Ph.D. (ed. psychol), Texas, 66. Psychologist, Austin State Sch, 60-82; exec. dif. voc. rehab, regional training center, Texas, 64; asst. prof, div. ed. Colo. State Col, 65; col. ed, Florida, 65-66; assoc. dir. res, rehab, res. & training center ment. retardation, TEXAS, AUSTIN, 66-66, ASST. PROF, SPEC. ED, 66-, DIR. REHAB, RES. & TRAINING CENTER MENT. RETARDATION, 69-Res. consult, Inter-Juniv. Consortium Study Ethnicity Rehab, 66-67; res. & training center ment. retardation, Univ. Oregon, 67; prog. consult, Camp Gary dob Corps Center, San Marcos, Tex, 68. Nat. Rehab. Asn, Psychol. Asn, Asn. Ment. Deficiency. Psycho-educational intervention with exceptional children and personal development as a function of peer interaction. Publ: Strategies for evaluation of short-term training, In: Program development in mental retardation and vocational rehabilitation, Am. Asn. Ment. Deficiency, 68; co-auth, The plural elite and rehabilitation potential & Sus-

- tained versus interrupted institutionalization: Π , Am. J. Ment. Deficiency, 68. Address: Dept. of Special Education, University of Texas at Austin, Austin, Tex. 78712.
- DICKESON, DR. ROBERT C(ELMER), b. Independence, Mo, June 28, 40; m. 63. POLITICAL SCENCE. A.B. Missouri, 62, M.A. 63, Ph.D. (polit. sci), 68. Asst. polit. sci, MISSOURI-COLUMBIA, 62-64, admin. asst. to dean of students, 62-64, dir. student activities, 64-68, ASST. DEAN STUDENTS, 68-Personnel & Guid. Asn; Polit. Sci. Asn; Soc. Pub. Admin, Acad. Polit. & Soc. Sci. Public administration; municipal government and administration. Address: 200 Read Hall, University of Missouri-Columbia, Columbia, Mo. 65201.
- DICKINSON, DR. SHOI BALABAN. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Pres, Dickinson Res, Inc. Address: 440 Park Ave, New York, N.Y. 10022.
- DICKSON, DR. JAMES F, JR, b. Brooklyn, N.Y, July 18, 37; m. 63; c. 2. PSYCHOLOGY. B.A. Lafayette Col, 60; M.A. Kent State, 62; Ph.D.(psychol), Maryland, 70. Res. asst, Yerkes Labs, Fla, summer 60; grad. courser, for men, Dean of Men's Off, Kent State, 60-82, asst. PSYCHOL, summer 62; Maryland, 62-65, instr. 65-66; ASST. PROF, ST. OLAF COL, 66- Psychol. Ass; Animal Behav. Soc. Discrimination learning in animals; operant behavior; comparative and physiological psychology. Publ: Operant discrimination learning and stimulus generalization as a function of reward exposure, J. Comp. Physiol. Psychol, 63; Some effects on generalization gradients of tandem schedules, 66 & Some effects of discriminative training with equated frequency of reinforcement, 68, J. Exp. Anal. Behav. Address: Dept. of Psychology, St. Olaf College, Northfield, Minn. 55057.
- DICKSON, DR. THOMAS I(NCHES), JR. Political Science. See A-K Vol., 11th ed, Soc. & Behav Vols. New position & address: Assoc. prof., 68-, Dept. of Political Science, Auburn University, Auburn, Ala. 36830.
- DiDATO, DR. SALVATORE V, b. New York, N.Y., Aug. 28, 26; m. 67; c. 1. CLINICAL & SOCIAL PSYCHOLOGY. B.A, Hunter Col., 49; M.A, Catholic Univ, 50; N.Y. Univ, 50-52; Ph.D. (psychol), Loyola (III), 55. Employ. Interviewer, New York City Div. Labor, 51–53; asst. prof. psychol. Marymount Col. (N. Y), 56-57; Notre Dame Col. (N. Y), 57-59; Seton Hall, 59-61; psychotherapist, Community Gud. Serv, N.Y, 57-69; MGT. CONSULT, MEDINA & THOMPSON, CHICAGO & N.Y, 68- Psychotherapist, Bleuler Psychother. Center, 58-65. Dipl. exp. hypnosis, 8A. m. Bd. Exam. Psychol. Hypnosis, 68. Hosp.C, U.S.N, 44-46. AAAS; Psychol. Asn, Group Psychother. Asn, Soc. Clin. & Exp. Hypnosis. Management psychology; personality growth through psychotherapy and counseling; group dynamics and group attitude formation; social conformity; management appraisal and executive development; group psychotherapy; hypnotherapy research; education; creativity; management psychology. Publ. influence of masculinity-feminity on personal values, Psychol. Reports, 6/56; Recent trends in juvenile delinquency, Ment. Hyg. 10/69; Some vital reminders in selecting good managers, Personnel J, 6/70. Address: 175 Seton Dr, New Rochelle, N.Y. 10804.
- DIEBOLD, WILLIAM, JR, b. New York, N.Y, Mar. 23, 18; m. 37, 53; c. 6. INTERNATIONAL ECONOMICS. A.B, Swarthmore Col., 37; Yale, 37-38; London Sch. Econ, 38-39; Rockefeller res. fel, 39-40. Res. assoc, Coun. For. Rels, 39-43; economist, U.S. Off. Strategic Serv, 43-45; dv. commercial policy, U.S. Dept. State, 45-46; SR. RES. FEL, COUN. FOR. RELS, 47-Consult, U.S. Dept. State, 41-43. U.S.A, 44-45. Econ. Asn. International economic relations; United States foreign economic policy; European economic cooperation. Publ. New directions in our trade policy; Trade and payments in western Europe: a study of economic cooperation, 1947-51, Harper, 52; Schuman plan, Praeger, 59. Address: 204 N. Broadway, Upper Nyack, N.Y. 10960.
- DIEGEL, DR. ADOLF, b. Krefeld, Germany, Apr. 20, 35; m. 60; c. 5. MAN-ACEMENT, OPERATIONS RESEARCH. B. B. A. & Fulbright scholar, Oregon, 57, M.S., 58, D. B. A. (mat. philos), 62; Western Reserve, 58-59. Sr. lectr. mgt, Otago, N. Z., 62-68; vis. lectr, Lancaster, 68-69; ASSOC. PROF. QUANT. MCT, SOUTH ALABAMA, 69- Inst. Decision Sci. Dynamic inventory systems; total systems. Publ: Action for a new government, Univ. Lancaster, 69; An activity theory of management, Management, 64; A linear approach to the dynamic inventory problem, Mgt. Sci., 3/66. Address: Dept. of Quantitative Management, College of Business, University of South Alabama, Mobile, Ala. 36608.
- DIEKER, DR. RICHARD J. Communication. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- DIENES, DR. C. THOMAS. Law, Political Science. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- DIENSTBIER, DR. RICHARD ADOLPH, b. Pittsburgh, Pa, Dec. 18, 39; m. 61; c. 2. PSYCHOLOGY. B.A, Rhode Island, 65, M.A, 67; Nat. Defense Ed. Act fel, Rochester, 66-69, Ph.D. (soc. psychol), 69. ASST. PROF. PSYCHOL, NEBRASKA, LINCOLN, 69-, jr. faculty res. fel, summer 70. U.S.A, 59-62. Meaning and labeling of emotional experience; racial prejudice and social perception. Publ: Co-auth, Can the superior learnability of meaningful and pleasant words be transferred to nonsense syllables?, J. Exp. Psychol, 78: 292-298; auth. Positive and negative prejudice: interactions of prejudice with race and social desirability. J. Personality, (in press). Address: Dept. of Psychology, University of Nebraska, Lincoln, Nebr. 68508.
- DIESTEL, DR. JOSEPH. Mathematics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- DIETRICH, DR. CORALIE E, b. Wilmington, Del, Nov. 2, 40; m. 65; c. 1.
 PSYCHOLOGY, SPECIAL EDUCATION. B. A., Catholic Univ, 63; M.A., Minnesota, 66, Nat. Defense Ed. Act fel. & Ph.D.(ed. psychol), 67. ASST. PROF.
 PSYCHOL, WIS. STATE-STEVENS POINT, 68- Mem, Coun. Children with Behav. Disorders. Psychol. Asn; Coun. Except. Children. Exceptional

- children; child psychology; educational psychology. Address: Dept. of Psychology, Wisconsin State University-Stevens Point, Stevens Point, Wis. 54481
- DIETZ, DR. PETER O(WEN). Business Finance. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. finance, 69-, Graduate School of Management & Business, University of Oregon, Commonwealth Hall, Eugene, Ore. 97403.
- Di GIOVANNI, DR. JOAN FIMBEL. Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: No longer dir. counseling serv, West. New Eng. Col. Address: 910 Plumtree Rd, Springfield, Mass. 011119.
- DILLEHAY, DR. RONALD CLIFFORD. Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. psychol. & behav. sci, 69-, Dept. of Psychology, University of Kentucky, Lexington, Ky. 40506.
- DILLEY, PROF. MARJORIE RUTH. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof, Dept. of Government, Connecticut College, New London, Conn. 06320.
- DILLMAN, DR. BUDDY LEROY, b. Garfield, Ark, May 20, 35; m. 59; c. 2. ECONOMICS, AGRICULTURAL ECONOMICS. B.S., Arkansas, 59, M.S., 61; Agr. Policy Inst. fel, N.C. State, 61-64, Ph.D.(econ), 67. Regional economist, econ. res. sery, U.S. Dept. Agr, Morgantown, W.Ya, 64-66; asst. prof. AGR. ECON, CLEMSON, 66-70, ASSOC. PROF, 70- Lectr, col. commerce, West Virginia Univ, 66; assoc, Res. Group, Inc. Atlanta, Ga, 67- U.S.A, 54-56. Econ. Asn; Agr. Econ. Asn. Regional economic development; human resources; migration; agricultural economics. Address: 217 Lark Circle, Clemson, S.C. 29631.
- DILLMAN, DR. C(HARLES) DANIEL, b. Flora, Ill, Jan. 25, 34; m. 61; c. 3. GEOGRAPHY. A.B., Michigan, 56, M.A., 57, Ph.D. (geog), 68. Asst. prof. GEOG, Western Illinois, 61-62; Wis. State-Oskhook, 62-66; NORTHEEN ILL LINOIS, 66-70, ASSOC. PROF, 70. Consult, Ill. State Dept. Pub. Instr., 68. Asn. Am. Geog; Am. Geog. Soc; Nat. Coun. Geog. Ed. The Northern Border Zone of Mexico vis.-a-vis the United States; colonization in Latin America; settlement geography. Publ: Sr. co-auth, Laboratory manual for earth science, Burgess, 65; auth, Border town symbiosis as exemplified by the twin cities, Brownsville, Texas and Matamoros, Tamaulipas, Rev. Geog, 12/69; Urban growth along Mexico's Northern Border and the Mexican National Border Program, J. Develop. Areas, 7/70. Address: Dept. of Geography, Northern Illinois University, DeKalb, Ill. 60115.
- DILLON, PROF. ROY DEAN, b. Peoria, Ill, Dec. 10, 29; m. 53; c. 3. VOCA-TIONAL EDUCATION. B.S. Illinois, 52, M. Ed, 58, Ed.D. (voc. ed), 65. Teacher high schs, Ill, 52-61; safety specialist, Ill. Agr. Asn, 61-62; res. assoc. agr. ed, Illinois, 62-64; assoc. prof. agr. & chmn. dept, Morehead State, 64-67; PROF. AGR. ED, NEBRASKA, LINCOLN, 67-1st Lt. Program planning for agricultural education programs in secondary and post secondary schools. Address: 302 Agricultural Hall, University of Nebraska, Lincoln, Nebr. 68503.
- DILLON, DR. WILTON S(TERLING). Cultural Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. seminars, Smithsonian Inst, 69- Address: 1446 Woodacre Dr., McLean, Va. 22101.
- DILLOW, DR. PAUL V, b. London, Eng, Feb. 4, 43; div. PSYCHOLOGY. B.Sc, Durham, 64; London, 64-65; Ph.D. (psychol), Tennessee, 68. ASST. PROF. PSYCHOL, ARIZONA STATE, 68-; STAFF PSYCHOLOGIST, ARIZ. STATE HOSP, 68- Operant conditioning; information and avoidance learning; rule learning and awareness, aggressive behaviors; behavior modification techniques, counseling process variables; existentialism. Address: Dept. of Psychology, Arizona State University, Tempe, Ariz. 68261.
- DIMLING, JOHN ARTHUR, JR. Operations Analysis. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: V.pres. & dir. res, Nat. Asn. Broadcasters, Wash, D.C, 69- Address: 9203 New Hampshire Ave, Silver Spring, Md. 20903.
- DIMOCK, DR. MARSHALL E(DWARD). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Consult, President's Adv. Coun. Exec. Orgn, 69- Address: R.D. 1, Scrivelsby, Bethel, Vt. 05032.
- DINGMAN, DR. PAUL R. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chief, Ment. Health Sect, N.Mex. Health & Soc. Serv. Dept, 69- Address: Route 3, Box 58, Old Agua Fria Rd, Santa Fe, N.Mex. 67501.
- BINKELACKER, DR. E. WILLIAM, b. New York, N.Y, Dec. 18, 34; m. 67. ECONOMICS. B.B.A, City Col. New York, 59; Nat. Defense Ed. Act fel, Hopkins, 59-62, Ph.D. (econ), 69. Fiscal economist, U.S. Dept. Treasury, summer 61; economist, U.S. Dept. Commerce, 26-67; instr. econ, mem. res. staff & tech. dir. econ. data library, GEORGETOWN, 64-69, ASST. PROF. ECON, 69- Consult, U.S. Trade Rels. Coun, 65-69; Adv. Cmn. Intergovt. Rels, 70- Econ. Asn. Federal, state and local public finance; tax policies and instruments to stimulate growth; capital expenditure functions, especially econometric specification and testing of investment behavior in the industry level. Public Co-auth, Employment, output and foreign trade of U.S. manufacturing industries, 1955-64/65 and 65/67, Trade Rels. Coun, 67 & 69; auth, Alternative tax incentives for investment, J. Polit. Econ, 4/64 & Models of investment behavior: an econometric critique, Econometrica, 70. Address: Dept. of Economics, Georgetown University, Washington, D.C. 20007.
- DION, PROF. GERARD. Industrial Relations. See A-K Vol, 11th ed, Soc. & Behav. Vols. New publ: Co-auth, Le syndicalisme Canadien, Laval Univ, 68. Address: Dept. of Social Science, Laval University, Quebec 10, Que, Can.

- DION, DR. PIERRE, b. Trois Rivieres, Que, July 21, 31; m. 56; c. 3. PSY-CHOLOGY. B. A., Laval, 51, B. Ed, 54, L. OR, 56; Ph. D. (psychol), Ottawa, 63 Dir. dept, psychol, St. Michel Hosp, Archange, Que, 56-66; ASSOC. PROF, PSYCHOL. & DIR. PSYCHO-SOC. CENTER, MONCTON, 66. Lectr. & supvr. intern, dept. psychol, Laval, 63-66. Consult, various hosps, Que, 56-66; psychiat. serv, Dept. Health, Que, 65-66; New Start, New Brunswick Inc, 69-Am. Psychol. Ass., Interam. Soc. Psychol. Can. Psychol. Asn. Professional training in psychology; counseling psychology; psychotherapy; bilingualism: development of underprivileged regions. Address: Dept. of Psychology, University of Moncton, Moncton, N.B., Can.
- DIRENZO, PROF. GORDON JAMES. Sociology, Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. 70-. Dept. of Sociology, University of Delaware, Newark, Del. 19711.
- DISTEFANO, DR. MICHAEL KELLY, b. Roseland, La, Nov. 27, 29; m. 57; c. 2. PSYCHOLOGY. B.S., Tulane, 51; M.A., La. State, Baton Rouge, 57, Ph.D. Isoc-indust, psychol), 67. Prisoner classification officer, La. State Penlientiary, Angola, State Dept. Instns, 55-57, dir. classification, 59-62, psychologist, Pinecrest State School, Pineville, 57-59; CENT. LA. STATE HOSP, STATE DEPT. HOSPS, 62-69, CHIEF OF RES, 69- ASS. prof, La. Col, 62- Consult, Bur. Hearings & Appeals, Dept. Health, Ed. & Welfare, 63-; voc. rehab. consult, La. State Dept. Ed, 63- U.S.A, 51-53. Psychol. Asn, Nat. Rehab. Asn. Social-industrial psychology; applications of personnel and organizational psychology to mental health; mental health research relevant to evaluation, treatment and outcome. Publ: Changes in work-related attitudes with age, J. Genetic Psychol, 114: 127-134; co-auth, Vocational evaluation and successful placement of psychiatric clients in a vocational rehabilitation program, Am. J. Occup. Ther, 24: 205-207 & Stability of attitudes in psychiatric attendants following training, Ment. Hyg, (in press). Address: Box 31, Central Louisiana State Hospital, Pineville, La. 71360.
- DITMARS, EARL E(DWARD). Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Dir. mkt. res. & anal, 69-, American Airlines. Inc. 633 Third Ave, New York, N. Y. 10017.
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- DIWAN, DR. ROMESH KUMAR, b. Sabathu, H.P. India, Dec. 20, 33. ECONOMICS. M.A, Delhi, 55; Commonwealth scholar, Birmingham, 61-64, Ph.D. dappl. econ), 65. Res. officer, Panjab Govt, India, 57-58; lectr. econ. Panjab Univ, 58-61; economet, Glasgow Univ, 64-65; consult, UN Cmt. Trade & Develop, New York, 65-66, 67-68; ASSOC. PROF. ECON, Univ. Hawari, 66-67; RENSSELAER POLYTECH, 68. Econ. Asn. Economets. Soc. Econometrics of production and cost functions; econometric models of indian economic growth and development. Publ. Alternative specifications of economies of scale, Economica, 66; Debate on food in India; relevant variables. Econ. & Polit. Weekly, 66; Test of two gap theory of economic development. J. Develop. Studies, 68. Address: Dept. of Economics, Rensselaer Polytechnic Institute, Troy, NY, 12181.
- DIX, DR. ROBERT HELLER. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 68-, Dept. of Political Science, Rice University, Houston, Tex. 77001.
- DIXON, DR. DAVID R(OBERT). Psychology. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position & address: Staff psychologist, 69-. Porterville State Hosp, Box 2000, Porterville, Calif. 93257.
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- DIXON, PROF. KEITH A(LAN). Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. 68-, Dept. of Anthropology, California State College, Long Beach, Calif. 90801.
- DIXON, DR. LINDA K(AY). Behavioral Genetics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

child psychiat, Am. Asn. Psychiat. Clin. for Children, 60. Dipl. psychiat, Am. Bd. Psychiat. & Neurol, 62, child psychiat, 65. Fel. Psychiat. Asn; Corthopsychiat. Asn; Iel. Acad. Child Psychiat. Community psychiatry. Address: Dept. of Child Psychiatry, University of Cincinnati College of Medicine, Cincinnati, Ohio 45221.

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DOANE, C(HARLES) RUSSELL, b. Merrick, N.Y. May 11, 16; m. 41; c, 5 ECONOMICS. B.A. Washington & Lee, 37. Statist, clerk, Standard Oil Co. (N.J., 37-39; prod. control super, Sperry Gyroscope Corp, 40-45; gen. mgr, Swift Bus. Mach. Co., 46-49; pres, M. E. Ballou Corp, 49-53; fel, Am. Inst. Econ. Res. 53-54, res. asst, 54-63; pres, Am. Inst. Counselors, Inc, 63-68. DIR, AM. INST. ECON. RES. 68. Economics, especially business cycles and money-credit developments; fostering application of the scientific method of inquiry in study of economic problems. Publ: How to invest wisely, 67 & co-auth, Investment trusts and funds from the investors point of view, amually, Am. Inst. Econ. Res. Address; American Institute for Economic Research, Great Barrington, Mass. 01230.

DOBBS, DR ALLEN R(AY). b. Denver, Colo, Mar. 28, 41; m. 67. PSYCHOL-OGY B Sc. Washington State, 63, M.Sc. 65: Ph.D.(psychol), Iowa, 68. ASST. PROF. PSYCHOL, ALBERTA, 68- Psychol. Ash. Psychology of learning, especially stimulus coding and mediational processes. Address: Dept. of Psychology, University of Alberta, Edmonton, Alta, Can.

DOBBS, DR DARREL D, b. Flint, Mich. Oct. 10, 39; m. 65; c. 2. CLINICAL & COUNSELING PSYCHOLOGY. A.B. Michigan. 63; M.S. Kentucky, 64, Ph.D. Iclin, psychol), 66. Staff psychologist, Child Guid. Clin, Levington, Ky, 63-66; ASST. PROF. PSYCHOL. Eastern Kentucky, 66-67; BALL STATE, 67-Instr. Univ. Kentucky, 65-66; staff psychologist, Child Guid. Clin, Muncie, Ind. 67-69. Consult, Dayton Muncie Mig. Co, 67- U.S.A. 60-66, 70, Sgt. Psycholorapy; psychopathology; projective techniques. Publ; Co-auth. An experimental manipulation of Rorschach form. J. Consulting Psychol. 67. Address: Dept. of Psychology, Ball State University, Muncie, Ind. 47306.

DOBBINS, DR. D(ELANEY) A(NDREW). Personnel & Industrial Psychology. Sea A-K Vol, 11th ed. Soc. & Behav. Vols. Change of address: 3320 Webley Court, Annandale, Va. 22003.

DOBSON, DR. JAMES C. JR. b. Shreveport, La. Apr. 21, 36; m. 60; c. 1
EDUCATIONAL PSYCHOLOGY, RESEARCH METHODOLOGY. B. A., Pasadena Col., 58; M.S., Southern California, 62, Ph.D. (ed., psychol), 67; California, Berkeley, 62, Los Angeles, 64. Sch. psychologist, pub. schs, Calif, 6466; DR. PRU COLLAB, STUDY, CHILDRENS HOSP, LOS ANGELES, 66.,
DIR. BEHAY RES. DIV. CHILD DEVELOP, 68. Lectr. Pasadena Col., 6
Southern California, 64-68; asst. dir. ed, Am. Inst. Family Rels. 67: res.
assoc. Southern California, 68- asst. prof. pediat, 69. Psychol. consult,
Fed. Narcotics Symp. Los Angeles, Calif, 67-68. U.S.A., 58-59. Asn. Ment.
Deticiency, Nat. Coum. Measurement in Ed. Intellectual aspects of phenylketonuria. Publ: Dare to discipline, Tyndale, 70; co-auth. The mentally
retarded child and his family—a multidisciplinary handbook. BrunnerMazel. 70; Cognitive development and dietary therapy in phenylketonuric
children, New Eng. J. Med., 567. Address: Division of Child Development,
Childrens Hospital of Los Angeles, 4650 Sunset Blvd, Los Angeles, Calif.
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DOCKRELL, PROF. WILLIAM BRYAN. Educational Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Chuna. dept. spec. ed. Ont Inst. for Studies Ed. Address: 325 Heath St. E. Toronto 7, Ont. Can.

DOCKSON, DR. ROBERT R(AY). Business Economics, International Relations See A.-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir. & v.chmn, bd. 69-, California Federal Savings & Loan Association. 5670 Wilshire Blvd, Los Angeles, Calif. 90036.

DODD, PROF. J(AMES) H(ARVEY). Economics, Business Administration See 11th ed, Soc. & Behav. Vols, deceased 69.

DODD, DR. JOSEPH WILLIAM. Political Science. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Assoc. prof. polit. sci, Tennessee, 66- Address: 7203 Middlebrook Pike, Knowlile, Tenn. 37921.

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DODDER, DR. RICHARD A, b. Overbrook, Kans, July 22, 41; m. 64; c. 1. SOCIOLOCY, B.S. Kansas, 66, Nat. Defense Ed. Act fels, 66-69, M.A. 67, Ph.D. (sociol), 69. Teacher, pub. schs, Com, 64-65; instr. SOCIOL, Kansas, 61-68; Nat. Sci. Found. Summer Inst, 68 & 69; ASST. PROF, OKLA. STATE, 69-, RES. FOUND. RES. GRANT, 69- Sociol. Asn. Empirical classification in juvenile delinquency as a foundation for constructing theory and developing treatment methods; nature of identification with educational experience as a predictor of its impact. Publ.: A factor analysis of Dean's alienation scale, Soc. Forces, 69; co-auth, Social class and sexual permissiveness: a subsequent test, J. Marriage & Family, 69. Address: Dept. of Sociology, Oklahoma State University, Stillwater, Okla. 74074.

DODWELL, PROF. PETER CARPENTER. Experimental Psychology. See A.K Vol., 11th ed. Soc. & Behav. Vols. Change of address: Dept. of Psychology, Harvard University, William James Hall, Cambridge, Mass. 02138.

DOERR, DR. HANS O, b. Heilbronn, Germany, Oct. 2, 32; U.S. citizen; m; c. 1. PSYCHOPHYSIOLOGY, B.A., Fla. State, 61, M.S., 62, U.S. Pub. Health Serv. 1el, 63-65, Ph.D. (psychol), 65. Vis. prof. psychol, N.C, Col, 65-67;

ASST. PROF. PSYCHOL. & PSYCHIAT, WASHINGTON (SEATTLE), 67. Fel. Res. Training Prog. in Sci. related to nervous syst, 56.5f. Consult, N.C. Cerebral Palsy Clin. & community ment. health consult, Burlington, N.C. 65-67; consult, N.C. Vec. Rehab. Serv, 66.67; Vet. Admin. Hopp, 67. U.S.A.F., 54-60, S/Sgt. Psychol. Asn; Soc. Psychophysiol. Res. Interaction of behavior and central nervous system—autonomic nervous system variables; direct conditioning of autonomic nervous system-entral nervous system paramenters. Publi: A relationship between heart rate and performance in children, J. Personality & Soc. Psychol., 65; Relations among food deprivation, performance and heart rate in the rat, J. Comp. & Physiol. Psychophysiol., 68: Address; Dept. of Psychiatry, University of Washington, Seattle, Wash. 98105.

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DOLHINOW, DR. PHYLLIS JAY, b. Elgin, Ill. Nov. 6, 33 m. 68 c. 1. ANTHRO-POLOGY, PRIMATOLOGY. A.B. Belott Col. 55. A.M. Chicago, 60, Ph.D. (anthrop), 63. Lectr. anthrop, California, Berkeley, 61-62; fel. behav. sci., Center Adv. Study Behav. Sci. 62-63; asst. prof. anthrop, Columbia, 63-64; California, Davis, 64-66. asst. res. anthropologist, Nat. Center Primate Biol, 64-66; asst. prof. ANTHROP, CALIFORNIA, BERKELEY, 66-69, ASSOC. PROF. 69. Wenner-Gren Found. Anthrop, Res. grant for primatol. in Africa, 66; co-recipient, Nat. Sci. Found, grant for primate behav. unit, 67- Fel. AAAS: Asn. Phys. Anthrop, Iel. Anthrop, Asn. Ecol. Sci. Animal Behav. Soc. Inst. Biol. Sci. Int. Primateol. Asn. Human Ecol. Soc; Wildlife Preservation Soc. India. Primate social behavior and ecology of monkeys and ages in Asia and Africa; human evolution and behavior. Publ: Ed. Primates: studies in adaptation and variability. 68. co-ed. Perspectives in human evolution. 68 & auth. Primate field studies and human evolution. In: Primates: studies in adaptation and variability. 68. doc. 1. Address: Dept. of Anthropology. University of California, Berkeley, Calif. 94720.

DOLICH, DR. IRA J. b. Yorktown, Tex. Dec. 14, 34; m. 65; c. 1. BUSINESS ADMINISTRATION, MARKETING. B.S. M.E. Texas, Austin, 57, M.B.A. 64, Am. Mkt. Asn. lel, 66, Ph.D. (mkt), 67. Chiel engr. Struct. Metals Inc. 57-58; maintenance engr. Reynolds Metals Co, 60-62; teaching assoc. MKT. Texas, Austin, 64-67; ASST. PROF. PA. STATE, 67-U.S.A.F., 58-60. Capt. Mkt. Asn, Statist. Asn. Consumer behavior: market research; logistics. Publ: A study of congruence relationships between self images and brand of products. J. Mkt. Res. 6-68. Address: 120 Boucke Bldg, Pennsylvania State University, University Park, Pa. 16802.

DOLL, DR. EDGAR A(RNOLD). Psychology. See 11th ed, Soc. & Behav. Vols, deceased 68.

DOLL, LT. COMDR. RICHARD E(UGENE), U.S.N. b. Trenton, N.J. Nov. 15, 34; m. 60; c. 3. PSYCHOLOGY. B.A. St. Vincent Col. 57; M.A. American Univ. 62; Ph.D. [psychol.] Utah, 69. U.S. NAVY, 59. PSYCHOLOGIST. Naval Sch. Aviation Med. 60-63, Navy Exp. Diving Unit. 63-65, NAVY MED. NEU-ROPSYCHAT. RES. UNIT. 67. Psychol. Asn. Selection and prediction: criterion development: creativity in industry: creative feaching; teaching, Publ.: Improving the predictive effectiveness of peer ratings, Personnel Psychol. 63: Relative predictability of occupational groups and performance criteria in an extreme environment. J. Clin. Psychol. 69. Occupational group as a moderator of the job satisfaction—job performance relationship, J. Appl. Psychol, 69. Address: U.S. Navy Medical Neuropsychiatric Research Unit, San Drego, Calif. 92152.

DOLL, DR. THEODORE J. b. Cleveland, Ohio, Oct. 5, 42; m. 64; c. 1. PSY-CHOLOGY. B.S. Purdue, 64; Case Inst. Tech, 64-65; M.A. Kent State, 67, Nat. Inst. Ment. Health (el., 67-68, Ph.D (exp. psychol), 68. Nat. Inst. Ment. Health fel. PSYCHOL, ment. health res. inst, Michigan, 68-69; ASST. PROF, STATE UNIV. N.Y. STOYY BROOK, 69. Lectr., Oberlin Col., 68. Psychol. Asn. Human information processing: short-term memory; reaction time: selective attention. Publ: Co-auth. Effects of discrimination training on stimulus generalization for human subjects, 67 & auth, Short-term retention: preparatory set as covert rehearsal, 69, J. Exp. Psychol. Address: Dept. of Psychology, State University of New York at Stony Brook, Stony Brook, N. Y. 11790.

DOLSON, DR. MIRIAM TERRY, b. Brooklyn, Pa, Nov. 15, 14; m. 58. SOCIOLOGY, HEALTH EDUCATION. B.S. Pa. State Teachers Col. 35; M.S. Cornell, 50, Ph.D. (trural sociol), 56; Southern Methodist, 59-60. Music super.
Thompson High Sch. Pa, 35-46, Port Allegam High Sch., 46-49; Spychometrician, Cornell, 49-54, res. assoc. rural sociol, 54-55, teaching asst, 55-56, asst. prof, 56-58; teacher, Dallas Pub. Sch. Tex, 58-62; instr. rural sociol.
Cornell, 62, res. assoc. grad. sch. bus. & pub. admin, 62-65, res. assoc. & asst. prof. health studies teaching & dir. inst. for nursing home adminstr. 65-69; ASSOC. PROF. HEALTH & COORDINATOR SURVEYORS TRAINING; TULANE. 70- Lectr. Elimira Col., 63-65; consult, Vet. Admin. for DevelopTraining Progs. for Nursing Home Adminstr, 67-68; mem. task force on long term care, Asn. Univ. Progs. in Hosp. Admin, 68- Sociol. Soc; Pub. Health Asn, Home Econ. Asn. Studies of hospital and nursing home administrators, sepecially their backgrounds of training and experience, professional activities and attitudes and role in their institutions and communities: evaluation of training programs. Publ: Where women stand in administration, 5:67 & M.D. administrators are older, earn more money, run bigger hospitals; survey, 2:69, Mod. Hosp; Progress report on Cornell pilot study of nursing home administrators, Mod. Nursing Home Adminstr, 12:69. Ad-

dress: Dept. of Health Services Administration, School of Public Health & Tropical Medicine, Tulane University, 1430 Tulane Ave, New Orleans, La. 70112.

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DONALD, DR. JANET GAIL, b. Windsor, Ont, Mar. 22, 40; m. 63; c. 1. PSY-CHOLOGY. B. A. Western Ontario, 62, Can. Coun. fel. & M. A. 63; Bd. Gov. scholars, Toronto, 64-67, Ph.D. fed. theory), 68. Psychologist, Ont. Hosp. Toronto, 62; res. asst, Toronto Bd. Ed., 63-64; comput. appin, Ont. Inst. Studies in Ed., 65-67; consult, Protestant Sch. Bd. Greater Montreal, 68-69; ASST. PROF. PSYCHOL, VANIER COL, 70- R. C.A. F., 58-62; Flying Officer. Can. Psychol. Asn. Higher mental learning; human-verbal learning processes; individual instruction, developmental learning; instructional techniques. Publ. Effects of certain and probable information on concept formation, Can. Psychol. Asn, 63; Sex differences and their effect on education, Res. Dept. Toronto Bd. Ed., 64; co-auth, The systems approach to education, Ont. J. Ed. Res, 66. Address: Dept. of Psychology, Vanier College, 845 St. Croix Blvd, Montreal 379, Que, Can.

DONALDSON, DR. ROBERT HERSCHEL, b. Houston, Tex, June 14, 43; m. 64. POLITICAL SCIENCE. B.A, Harvard, 64, M.A, 66, fel, 66-68, Ph.D.(polit. sci), 69. ASST. PROF. POLIT. SCI, VANDERBILT, 68. Polit. Sci. Asn. Soviet domestic and foreign politics; political development; international law and organization; history of political theory. Address: 1816 Cedar Lane, Nashville, Tenn. 37212.

DONDERO, BRO. JOHN P., F.S.C, b. Philadelphia, Pa, Jan. 25, 22. PSYCHOL-OGY. A.B. La Salle Col., 45; M.Litt, Pittsburgh, 50; M.A., Catholic Univ, 55, Ph.D. (bsychol), 59. Teacher, parochial high sch, Pa, 45-52; PROF. PSYCHOL, LA SALLE COL., 59- Psychol. Asn. Statistics; experimental and counseling psychology. Publ.: No borrowed light—mental health for religious, Bruce. 65. Address: Dept. of Psychology, La Salle College, Philadelphia, Pa. 19141.

DONDIS, DR. ERNEST H, b. Rockland, Maine, June 10, 24. PSYCHOLOGY, CLINICAL PSYCHOLOGY. B.A, Calif. State Col. Long Beach, 51, M.A, 52; U.S. Pub. Health Serv. Ed, California, Berkeley, 57-58, Ph.D. (psychol), 61. Asst. field work supvr. California, Berkeley, 58-59; res. specialist, Calif. Dept. Ment. Hyg, Sacramento, 59-60, res. psychologist, 60-66; asst. prof. PSYCHOL, CALIF. STATE COL. FULLERTON, 66-68, ASSOC. PROF, 68-U.S.M.C.R., 42-46, Sgt. Psychol. Asn. Clinical research; evaluation of various treatment programs; study of recidivism among treated sex offenders: administration of the research program in the California Department of Mental Hygiene. Publ: Co-auth. Treatment and research at a day treatment center, Disease Nervous Syst, 24: 360-364, Outpatient screening of hospital candidates. Ment. Hyg, 49: 364-370 & Recidivism among treated sex offenders. California Mental Health Research Monograph, Calif. Dept. Ment. Hyg, 65. Address: 426 Cabrillo Terr, Corona del Mar, Calif. 3262-

DONHEISER, DR. ALAN D(AVID). Economics, Public Administration. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Chief economist, Rejional Plan Asn, Inc, 69- Address: 305 E. 86th St, New York, N.Y. 10028.

DONNAN, DR. HUGH (HAWKDNS), b. Greenville, S.C., Dec. 28, 33; m. 65. EDUCATION, PSYCHOLOGY. B.A., Furman, 56, M.Ed., 59; Ph.D. (guid), North Carolina, 66. Instr. psychol, N. Greenville Jr. Col., 56-66; counsr, North Carolina, 63-65; asst. prof. COUNSELING, AUBURN, 65-70, ASSOC. PROF, 70- Psychol. consult, Vet. Admin. Hosp, 66- Psychol. Asn, Personnel & Guid. Asn. Counseling theory and practice. Publ: Personality factors related to college achievement and attrition, J. Col. Student Personnel, 3,68; co-auth, Comparison of personality factors among counselors and administrators, Personnel & Guid. J, 11/68 & Counselor personality and level of functioning as perceived by counselects, J. Counseling Psychol, 12/69. Address: Dept. Counselor Education, Auburn University, Auburn, Ala. 36830.

DONNELLY, DR. JOHN T, b. Cedar Rapids, Iowa, Dec. 6, 40; m. 63; c. 1. ECONOMICS. B.A, Lawrence, 63; Nat. Defense Ed. Act fel, Vanderblit, 66-69, Ford Found, grant, 67-68, Ph.D. (econ), 70. ASST. PROF. ECON, WASHINGTON F371E, 68- Nat. Sci. Found. res. grant, summer 69. Asn, Union Radical Polit. Econ. Economic theory, trade and development and comparative economic systems, especially in Latin America. Address: Dept. of Economics, Washington State University, Pullman, Wash. 99163.

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DONOVAN, SISTER M. ANNICE. Philosophy, Psychology. See Suppl. I to 5th ed, Dir. Am. Scholars.

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DOSTER, PROF. JAMES F(LETCHER). History. See 5th ed, Dir. Am. Scholars, Vol. 1, Hist.

DOSTER, DR. JOSEPH A, b. Milton, Del, Oct. 26, 43. CLINICAL PSYCHOL-OCY. B-A, Emory, 65, M-A, 68, Ph.D. (psychother), 69, ASST. PROF. PSY-CHOL, MSSOURI-COLUMBIA, 69. Individual, interpersonal and structural variables that influence verbal communication in dyadic and group psychotherapy situations. Publ: Co-auth, Perceived childrearing practices and self-disclosure patterns, J. Consult. & Clin. Psychol, 69 & Early Impressions and later confirmations of interpersonal judgments, Perceptual & Motor Skills, 69. Address: Dept. of Psychology, 209 McAlester Hall, University of Missouri-Columbia, Actionbia, Mo. 65201.

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- DOTY, DR. BARBARA ALLEN. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: U.S. Off. Ed. fel. ed. res, 69-70. Address: Dept. of Psychology, North Central College, Naperville, Ill. 60540.
- DOTY, PROF. DON D(ARREL), b. Secor, Ill, Sept. 13, 25; m. 48; c. 1. ECO-NOMICS. B.S, Bradley, 51, M.A, 54; Ph.D. (econ), Arkansas, 63. Asst. mgr, Campbell Grain & Seed Co, Ill, 34-58; instr, Arkansas, 58-60; assoc. prof. econ, Miss. State, 60-65, prof. 65-69, dir. grad. bus. study, 68-69; prof. econ. & dir. master bus. admin. prog. Middle Tenn State, 69-70; PROF. ECON. MISS. STATE, 70. Econ-in-Action fel, Case Inst. Tech, summer 65. U.S.A.F, 43-45, 51-52, And Lt. Econ. Asn. Recreational benefits as a component of water resources project analysis; regional planning, especially river transportation development; aggregative economics—general income and employment theory, monetary economics. Publ: Co-auth, Implications for scientific and technical employment in space-related activities in Mississippi, NASA, 63; auth, Income changes in Mississippi, Alalanta Econ. Rev, 64; Income distribution in Mississippi, Secon. Coun, 65. Address: Dept. of Economics, Mississippi State University, State College, Miss. 39762.
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- DOUGLAS, DR. CHARLES HERBERT. Research Administration. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
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 ANTHROP, NEVADA, RENO & COORDINATOR BASQUE STUDIES PROG,
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 peasant societies; social and economic change; immigrant studies, particularly Basques of the American West. Publ: Death in Murelaga: the social
 structure of a Spanish Basque village, Am. Ethnol. Soc. Monogr, Univ.
 Washington, 69. Address: Basque Studies Program, Desert Research Institute, University of Nevada System, Reno, Nev. 89507.
- DOUGLASS, W(ILLIAM) BRUCE. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: R.D. 1, Box 290A, Lewisberry, Pa. 17339.
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- DRACHMAN, DR. EDWARD RALPH, b. Brooklyn, N.Y. Oct. 25, 40; m. 68.
 INTERNATIONAL RELATIONS. B.A, Harvard, 61, M.A.T, 63; M.A, Pennsylvania, 62, Ph.D.(int. rels), 68. Intel. analyst, U.S. Fed. Govt, 63-64;
 instr. GOVT, BOSTON, 66-68, ASST. PROF, 68- Southeast Asia, Soviet,
 Chinese and American foreign policy. Publ: United States policy toward,
 Vietnam, 1940-1945, Fairleigh Dickinson Univ, 70 & The U.S. decision to
 bomb North Vietnam, In: Problems in international relations, Prentice-Hall,
 70; The United States and Vietnam in 1945, Boston Univ. Grad. J, Fall 68.
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- DRICKEY, DEAN JAMES MYRLE. Psychology. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dean, 69-, Graduate Studies, Southeast Missouri State College, Cape Girardeau, Mo. 63701.
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- ver Div. Res. grant, 67- Mem, Assoc. Univ. Bur. Bus. & Econ. Res. Econ. Asn; Indust. Rels. Res. Asn. Publ; Co-auth, The construction industry in Colorado, Univ. Denver, 69; auth, Accident records in coal mines in the U.S, Indiana Univ; A management guide to labor law, Von Nostrand Reinhold (in press). Address: College of Business Administration, University of Denver, 2020 S. Race St, Denver, Colo. 80210.
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- DUBEY, PROF. AKHILESH. Economics, Marketing. See A-K Vol., 11th ed, Soc. & Behav. Vols. Change of address: 123 S. 40th St, Philadelphia, Pa. 19104.
- DUBIN, PROF. ROBERT. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. sociol, sch. soc. sci. & prof. admin, grad. sch. admin, California, Irvine, 69- Address: School of Social Sciences, University of California, Irvine, Calif. 92664.
- DUBNO, DR. PETER. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. mgt, N.Y. Univ, 69- Address: 85-11 Kent St, Jamaica, N.Y. 1142.
- DU BOFF, DR. RICHARD B. Economic History, Economics. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- DUCE, DEAN LEONARD A(RTHUR). Philosophy, Administration. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- DUCEY, DR. PAUL RICHARD. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Sociology, Youngstown State University, Youngstown, Otto 44503.
- DUCOFF, DR. LOUIS J(OSEPH). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Consult, pop. div, UN, 69- Address: 7667 Maple Ave, Apt. 504, Takoma Park, Md. 20012.
- DUDA, DR. P. D(ANIEL), b. Springfield, Man, July 15, 38; m. 63; c. 1. PSYCHOL OGY. B.A, Manitoba, 63, M.A, 65; Ph.D. (psychol), Waterloo, 68. ASST. PROF. PSYCHOL, GUELPH, 67- Sensory processes; perception; quantitative judgmental behavior using sensory psychophysical scaling techniques in adults and children. Address: Dept. of Psychology, University of Guelph, Guelph, Ont, Can.
- DUDEK, DR. STEPHANIE Z. Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, Montreal, 70-Address: 3476 Vendome Ave, Montreal 26, Que, Can.
- DUDEWICZ, DR. EDWARD J(OHN). Statistics. See 12th ed, Phys. & Biol Vols.
- DUDLEY, DR. DEAN A(RTHUR), b. Port Arthur, Tex, Aug. 30, 35; m. 55. ECONOMICS, FINANCE. B.S, Kent State, 57, M.B.A, 59; Stonier fel, Washington, Seattle, 64, D.B.A, 65. Asst. prof. finance, Ohio, 65-67; ASSOC. PROF. Choic State, 67-68; ECON. & FINANCE, I.A. STATE, NEW OR-LEANS, 68-Fel, Cent. Banking Seminar, Fed. Reserve Bank, San Franciso, spring 68; Am. Bankers Ash. Ayres fel, grad, sch. banking, Rutgers, summer 68; Acculy fel, Southwest. Life Ins. C. & Am. Risk & Ins. Ash, lems of U.S. commercial banking; impact of monetary policy on financial institutions. Publ: Co-auth, Personnel reference checking by banks: practices and face validity, Bus. Rev, Univ. Washington, 4-6/64; auth, On the responsibility of the professor to publish, Collegiate News & Views, 3/69 & The goodwill account: accounting recognition of the concept of economic rent, Bus. Rev, Marquette Univ. summer 69. Address: Dept. of Economics and Finance, Louisiana State University in New Orleans, Lake Front, New Orleans, La. 70122.
- DUE, DR. JEAN MARGARET, b. Peterborough, Ont. Sept. 19, 21; m. 50; c. 2. AGRICULTURAL ECONOMICS, ECONOMIC DEVELOPMENT. B.Com, Toronto, 46; M.Sc., Illinois, 50, Ph.D. Jecon), 53. Economist, Don. Dept. Compared to the compar
- DUEKER, DR. KENNETH J. Civil Engineering. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- DUEL, DR. HENRY JAMES, b. Sauk Center, Minn, June 12, 17: m. 43; c. 3. COUNSELING & GUIDANCE, EDUCATIONAL ADMINISTRATION. B. S. Ed, Winona State Col, 41; M.S., Washington (St. Louis), 51, Ed.D, 56. Coordinator proficiency measurement, Training Wing, Scott Air Force Base, III, U.S. AIR FORCE, 46-47, sr. instr. electronics, 47-48, prin. instr. teacher training, 48-50, chief instr. methods, training anal. & evelop, 50-57, training specialist mgt. develop, Hq. D.C, 57-59, chief personuel measurement & training, Hq. Europe, 59-62, CHIEF OF PERSONNEL RES, Hq. D.C, 62-Dir. prfnl. studies & adj. prof, Southeastern, 66- U.S.N, 42-45. Personnel & Guid. Asn. Methods of teaching technical subjects such as electronics; self-evaluation; selection test development; attitude research. Publi: Auth, Human relations for middle managers, Dept. Air Force, D.C, 62: Determining training needs and writing objectives, in: Employee training in the public service, Pub. Personnel Asn, 70. Address: Dept. of Management, Southeastern University, Washington, D.C. 20006.

- DUERFELDT, DR. PRYSE HENRY. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. & head, 69-, Dept. of Psychology, University of Portland, Portland, Ore. 97203.
- DUESENBERRY, PROF. JAMES STEMBLE, b. July 18, 18; U.S. citizen. ECO-NOMICS. A.B. Michigan, 39, univ. fel, 39-41, Social Sci. Res. Coun. fel. & A.M., 41, Ph.D., 48. Instr., Mass. Inst. Tech., 46; teaching fel, Harvard, 46-48, asst. prof., 48-53, assoc. prof., 53; Fulbright fel, Cambridge, 54-55; PROF. ECON, HARVARD, 57- Ford res. prof., 58-59. Mem, President's Coun. Econ. Adv., 66-58; chmn. bd. dirs, Fed. Reserve Bank Boston, 70-US.A.A.F., 42-45. Publ. Business eyeles and economic growth, McGraw, 57; co-auth, Cases and problems in economics, 60 & auth, Money and credit: impact and control, 64, Prentice-Hall. Address: Dept. of Economics, Harvard University, Cambridge, Mass. 02138.
- DUEWER, DR. LAWRENCE A. Agricultural Economics. See A-K Vol., 11th ed, Soc. & Behav. Vols. New position: Agr. economist, U.S. Dept. Agr. at Purdue Univ, 69- Address: 1303 Palmer Dr, Apt. 111, West Lafayette, Ind. 47906.
- DUFF, ORVILLE LEE, b. Middletown, Ohio, May 27, 31; m. 53; c. 2. BEHAV-IORAL RESEARCH. A. B., Miami (Ohio), 58, M.A. 59; Buffalo, 60-61; Cornell, 64-65. Sr. psychologist, N.Y. Depts. Ed. & Ment. Hygiene, 59-64; indust. consult, Ind. & Ohio, 64-66; dir. org. planning & develop, Cessna Aircraft Co, Kans, 66-68; sr. assoc, Harry J. Woehr & Co, 68, ADMINSTR PERSONNEL RES, RCA CORP, 68- Vis. prof, Miami (Ohio), 64-65. U.S.A.F, 50-53. Organizational behavior; motivation. Publ: Co-auth, Biographical factors in academic under and over achievement, J. Ed. Psychol, 60; & Biographische faktoren in inhrer beziehung zu uber unter der erwartung fleibenden hochschulleistengen, Padag. Psychologie, 67. Address: Corporate Staff, RCA Corp, Camden, N.J. 08102.
- DUFFIELD, DR. LATHEL F(LAY), b. Collinsville, Okla, Dec. 1, 31; m. 56; c. 4. ANTHROPOLOGY, ARCHABOLOGY, B.A., Oklahoma, 53, M.A., 63; Nat. Sci. Found. fel. & Ph.D. (anthrop), Wisconsin, 70. Dr., Ark. Mus. Natural Hist. & Anthquiftes, Little Rock, 53–55; asst. curator, Thomas Gilcrease Inst. Am. Hist. & Art, 55–57; res. scientist III, archaeol. salvage proj, Univ. Texas, 58–53; exec. dir, Tex. Archaeol. Res. Lab, 63–64; asst. prof. ANTHROP, Eastern Kentuck, 64–66; ASSOC. PROF. KENTUCKY, 69– Soc. Am. Archaeol; Anthrop. Asn. Texas prehistory, including Spanish contact period; Kentucky prehistory; paleeocology of man in Texas, including his relationship with vertebrates and soil types; skeletal studies of prehistoric bison. Publ: Co-auth, The Pearson Site: a historic Indian site in Iron Bridge Reservoir, Rains County, Texas, Archaeol. ser, Univ. Tex, 61; auth, The Taovayas Village of 1759: in Texas or Oklahoma, Great Plains J., 65; Vertisols: their implications for archeological research, Am. Anthropologist, 70. Address: Dept. of Anthropology, University of Kentucky, Lexington, Ky. 40506.
- DUFFY, PROF. ELIZABETH. Psychology. See A.K Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof. 69-, Dept. of Psychology, University of North Carolina at Greensboro, Greensboro, N.C. 27412.
- DUFFY, DR. F(RANCIS) R(AMON). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir, 69-, St. Joseph's House, 16th & Allegheny Ave, Philadelphia, Pa. 19140.
- DUGAN, PROF. JAMES E(DWARD). Economics. See A-K Vol., 11th ed, Soc. & Behav. Vols. New information: Also Chmn, 69-, Dept. of Economics, University of Colorado, Boulder, Colo. 83032.
- DUGGAL, DR. VED PRAKASH, b. Lahore, Pakistan, June 15, 29; m. 59; c. 2. ECONOMICS. B.A, Panjab, India, 49; M.A, Delhi, 51; Ph.D. (pub. sector econ), Netherlands Sch. Econ, 61. Res. officer, Indian Inst. Pub. Admin, New Delhi, 61-63; asst. lectr. soc. econ. & econ. develop, Glasgow, 63-66; Orgm. Econ. Coop. & Develop. Paris lectureship, Middle East Tech, Ankara, 66-67; ASSC. PROF, Price theory & econ. hist, Windsor, 67-68; MICRO-ECON, MACROECON. & BUS. MGT, INTER-AM. UNIV. P.R, 68- Econ. Asn. Public sector economics and policy. Publ: An enquiry into the organization of public enterprises, Annals Collective Econ, 53; Socialist labour parties and the size of the public sector; Annals Pub. & Coop. Econ, 64; Optimum extent and operation of the public sector, Econ. Int, 66. Address: Dept. of Economics and Business Administration, Inter-American University of Puerto Rico, San Germán, P.R. 00753.
- DUGGAR, DR. JAN W(ARREN), b. Madison, Wis, Oct. 9, 40; m. 62; c. 2. ECO-NOMICS. B.A., Fla. State, 62, Nat. Defense Ed. Act fcls, 64-67, M.S., 65, Ph.D. (econ), 67, Vol., Peace Corps, 62-64; asst., prof. ECON, LA. STATE, BATON ROUGE, 67-69, ASSOC. PROF., 69 Econ. Asn. Finance Asn. Monetary theory and policy; national income accounts; macroecomomic theory. Publ: International comparisons of income levels: an additional measure, Econ. J. 3/69; co-auth, National bank note redemption and treasury cash, J. Econ. Hist, 9/69 & Federal Reserve proposals for reform of the discount mechanism, South. Econ. J. Jo-69. Address: Dept. of Economics, Louisiana State University, Baton Rouge, La. 70803.
- DUGGER, PROF. JAMES G(ORDON). Psychology, Educational Psychology. See A.K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. psychol. & chmn. dept, Metrop. State College, 70- Address: 12103 E. Louislana Ave, Aurora, Colo. 80010.
- DUKE, PROF. RICHARD DE LA BARRE, b. Washington, D.C, Dec. 19, 30; m. 56; c. 5. URBAN PLANNING, SOCIAL SCIENCE. B.S, Maryland, 52; B.S, Mich. State, 54, M.U.P, 58; Nat. Sci. Found. fel, Michigan, 62-52, Ph.D. (resources conserv), 64. PROF. city & regional planning, Mich. State, 58-68; REGIONAL PLANNING, MICHIGAN, 68- Mem. bd. dirs, Community Systs. Found, 62-67. Consult, Nat. Cmn. Automation, Tech. & Econ. Progress, 65; Munic. Sci. Res. Inst, Berlin, Germany, 67. C.Eng, 64, 1st Lt. Inst. Planners. Address: 321 Parklake, Ann Arbor, Mich. 48823.
- DUKE, PROF. STEVEN BARRY. Criminal Law & Procedure. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

- DULLES, DR. ELEANOR L(ANSING). Economics. See A-K Vol., 11th ed, Soc. & Behav. Vols. New publ: One Germany or two: the struggle at the heart of Europe, Hoover Inst, 70. Address: 1114 Spring Hill Rd, McLean, Va. 22101.
- DUNAWAY, DR. G(EORGE) MILTON, b. Lumpkin, Ga, July 11, 38; m. 57; c. 2. MATHEMATICS, EDUCATION. B.S. Georgia, 59; M.Ed, Mercer, 66; Ed.D. (ed. admin), Auburn, 69. Instr. math, Ga. Mil. Col., 59, Massey Col., 60-81; Gordon Mil. Col., 61; teacher, Crawford County High Sch, 62-64; registr. & dir. admissions, Ga. Southwest. Col., 65-67; coordinator evening prog., AU. BURN, MONTGOMERY, 68-69, CHMN. DIV. CONTINUING ED, 69- Educational finance, particularly in junior colleges. Address: 1833 Grove Hill Lane, Montgomery, Ala. 36106.
- DUNBAR, PROF. J(OHN) O(RVAL). Agricultural Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. dir, Ind. Coop. Exten. Serv, Purdue, 69- Address: Purdue University, Agricultural Administration Bldg, West Lafayette, Ind. 47906.
- DUNCAN, PROF. HARRY A. Journalism. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- DUNKMAN, PROF. WILLIAM E(DWARD). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof. econ, Rochester, 68-; vis. prof, Rochester Inst. Tech, 68- New Publ: Money, credit and banking, Random, rev. ed, 70. Address: Rochester Institute of Technology, 1 Lomb Memorial Dr. Rochester, N.Y. 14623.
- DUNLAP, DR. HELEN L(ESLIE). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 69. Address: 1717 E. Newton Ave, Shorewood, Wis. 5211.
- DUNLAP, DR. JACK W(ILLIA)M. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Pres, Dunlap & Assocs, Inc, 69- Address: 7 Sweet Briar Lane, Stamford, Com. 06905.
- DUNIOP, DR. ROBERT ANDREW, b. Chicago, Ill, Oct. 16, 28; m. 52; c. 3.

 MANAGEMENT, COMPUTER SYSTEMS. B.S, Purdue, 51, M.S, 57, Ph.D.
 (indust. rels), 61. Res. asst. TV & radio surv, div. ed. reference, Purdue,
 55–58; personnel opers. mgr, int. Bus. Mach. Corp, 58–61, proj. info. mgr,
 61–64, mgr. comput. info. systs, 64–68, mgr. consumer data serv, 68–69;
 EXEC. V. PRES, LOGISTIC DISTRO-DATA, INC, 69 U.S.N, 51–55. Peychol.
 Asn. Executive management behavior and their use of computerized information systems; consumer motivation and acceptance of computerized
 services in the home; management and administration of computer services
 and computer system development. Publ: Experience register for scientists
 and engineers, Inst. Elec. & Electronics Engrs. Trans. Eng. Mgt, 3/63; The
 emerging technology of information utilities, Proc. Conf. Info. Utilities,
 Univ. Chicago, 12/69; Will the real management information system user
 please stand up, Comput. Decisions, 1/70. Address: Lake Katonah, R.D. 3,
 Katonah, N.Y. 10536.
- DUNN, PROF. LLOYD M. Special Education. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. educ. psychol, 70-, College of Education, University of Hawaii, Honolulu, Hawaii 96822.
- DUNN, DR. STEPHEN PORTER. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. res, Highgate Rd. Soc. Sci. Res. Sta, Inc, 69- Address: 32 Highgate Rd, Berkley, Callf. 94707.
- DUPONT, PROF. HENRY JOHN. Psychology. See A-K Vol., 11th ed, Soc. & Behav. Vols. New position & address: Prof. ed, 69-, Dept. of Educational Psychology, University of Hawaii, College of Education, 1776 University Ave, Honolulu, Hawaii 96822.
- DUPRE, DR. WILHELM. Philosophy, Cultural Anthropology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- DUPREE, PROF. DEMPSEY MIDDLETON, b. Charleston, S.C., Sept. 14, 31; m. 55; c. 5. ACCOUNTING. B.B.A. & M.B.A. Michigan, 58; Earhart Found. fci, Mich. State, 63-65, Arthur Andersen Found. summer (ei. & Ph.D. (acct), 65. Instr., bus, Palmer Col., 58-61; asst. prof. ACCT, South Carolina, 61-63; asst. instr. Mich. State, 63-65; assoc, prof. Parsons Col., 65-67; PROF, CLARION STATE COL., 67- Found. Econ. Ed. fel, Sun Oil Co, summer 62. Staff acct, C.E. Palmer, Charleston, 58-61; faculty resident, Arthur Andersen & Co, Chicago, Ill, 66-67. U.S.A.F, 51-53; Air Nat. Guard, 54-58; Ist Lt. Inst. Cert. Pub. Acct; Ann. Finance Asn. Simulative framework for evaluating personal and business investments; new instructional methods and concepts for teaching introductory accounting. Publ: Tax qualified retirement plans for self-employed, Bus. & Econ. Rev, Univ. South Carolina, 2/65. Address: Dept. of Business Administration, Clarion State College, Clarion, Pa. 16214.
- DUPREE, DR. LOUIS. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: American Universities Field Staff, Box 150, Hanover, N.H. 03755.
- DURBIN, DR. MARSHALL ELZA. Anthropology, Linguistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Anthropology, Washington University, St. Louis, Mo. 63130.
- DURHAM, DR. G(EORGE) HOMER. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Cmmr. & exec. officer, 69-, Utah System of Higher Education, 1201 University Club Bldg, Salt Lake City, Utah 84111.
- DUROSS, HAROLD JAMES, b. Syracuse, N.Y. Sept. 23, 17; m. 42; c. 2. GE-OGRAPHY. B.S. Syracuse, 47; M.A. Kent State, 49; dipl. Air War Col., 66. Res. asst, Kent State, 48-49; analyst, hq. U.S. AIR FORCE, WASH, D.C., 50-50; asst, dir. targets, tactical air command hq, 50-59, OPERS. ANALYST, HQ, 60- U.S.A.F. 42-45, Sgt. Geography of the Union of Soviet Socialist Republic. Address: 6403 Lakeview Dr, Falls Church, Va. 22041

- DUSHKIND, DR. DONALD S(TANFORD). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Practicing psychologist & marriage counsr, 70-, Address: 290 Tamalais Rd, Fairfax, Calif. 94930.
- DU TOIT, DR. BRIAN MURRAY. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. 69-, Dept. of Anthropology, University of Florida, Gaineswille, Fla. 32601.
- DUTT, DR. ASHOK K. Geography, Regional Planning. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. geog. & urban studies, 69-, University of Akron, Akron, Ohio 44304.
- DUTTON, DR. DEAN S, b. LaVerkin, Utah, June 23, 38; m. 69. ECONOMICS. B.A., Utah, 64; M.A., Mich. State, 66, Ph.D. (econ), 68. Asst. prof. ECON, lowa, 67-68; vis. asst. prof. econ, Tex. A&M. 70; ASST. PROF. BRIGHAM YOUNG, 70- U.S.A., 61-62, Sgt. Econ. Asn, Economet. Soc. Monetary theory; unitation. Publ: A model of self generating inflation: the Argentine case, J. Money, Credit & Banking, (in press). Address: 318 JKB, Brigham Young University, Provo, Utah 34601.
- DUTTON, PROF. EDWARD P, b. Julesburg, Colo, Dec. 4, 24; m. 50; c. 2. COMMUNITY ORGANIZATION, SOCIAL WORK. B.A, California, Berkeley, 52; M.S. Columbia, 55; Wayne State, 57. Exec. dir. soc. work, Presby. Boys' Club, 54–56; social worker, Grosse Pointe Woods Community Club, 56–58; soc. planner, Fresno Community Coun, 58–60; United Community Fund of San Francisco, 60–63; prog. dir. Forf Found. Oakland Interagency Proj. 63–65; exec. dir. Calif. Center Community Development, 65–67; ASSOC. PROF. SOC. WORK, FRESNO STATE COL, 67– Lectr. California, Berkeley, 63–66, dir. urban affairs, exten, California, Berkeley, 65–66; instr. California, Davis, Riverside, San Diego & Santa Cruz, 66–69. Mem, Nat. Cmt. Extend Nat. Labor Rels. to Farm Workers, 66–68. U.S.A, 43–46, Sgt. Nat. Asn. Soc. Workers; Coun. Soc. Workers, 66–68. U.S.A, 43–46, Sgt. Nat. Asn. Soc. Workers; Coun. Soc. Workers, 61–68. U.S.A, 43–46, Sgt. Nat. Asn. Soc. Workers; Coun. Soc. Workers, 61–68. Curacitation and development, including comprehensive social planning and grass roots organizing for self-help projects. Publ. Automation—a challenge to recreation, Recreation, 10/54; co-auth. A symposium on community development in California, Visalia, Calif. 42. Address: Dept. of Social Work, Fresno State College, Fresno, Calif. 93726.
- DUTTON, PROF. JOHN MASON. Industrial Administration. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position: Dir. planning & res, School of Business Administration, Southern Methodist University, Dallas, Tex. 75222.
- DUVA, JAMES S, b. New York, N.Y, Jan. 2, 24; m. 51; c. 5. EXPERIMENTAL PSYCHOLOGY. B.A, Iona Col., 47; M.A., Fordham, 48; Columbia, 50-52. Asst. dir. TV eval. proj. Fordham Univ, 48-51; chief design br, human eng. br, U.S. Navy Spec. Devices Center, 51 & 52-55; chief motion picture prod. br, audio-visual directorate, U.S., Air Force Human Resources Res. Labs, 51-52; chief applins. div, oper. applin. lab, U.S. Air Force Electronic Systs. Div, 55-62, tech. dir. decision sci. lab, 62-67; chief tech. br, computer & display div, 67; HEAD ADAPTIVE TRAINING DIV, HUMAN FACTORS LAB, U.S. NAVY TRAINING DEVICE CENTER, 67- U.S.A.A.F, 42-45; U.S.A.F, 51-52, Maj. AAAS; Psychol. Asr, Res. Soc. Am; Inst. Elec. & Electronics Eng. System analysis and design; information display; computers in research; computer assisted instruction; machine controlled adaptive training. Publ: Co-auth, Training by TV: the comparative effectiveness of instruction by TV, TV recordings and conventional classroom procedures, SDC Tech. Report, 3/51, Target position as a coding dimension, AFCCDD Tech. Report, 10/62. Address: 300 N. Lake Sybelia Dr, Maitland, Fla. 32751.
- DWORKIN, PROF. RONALD MYLES. Law, Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- DuWORS, PROF. R(ICHARD) E(DWARD). Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. sociol. & head, 68-, Dept. of Sociology & Anthropology, University of Calgary, Calgary, Alta, Can.
- DWYER, DR. THOMAS A. Computer Science, Applied Mathematics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- DYAL, PROF. JAMES A(LBERT). Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn, 69-, Dept. of Psychology, University of Waterloo, Waterloo, Ont, Can.
- DYCKMAN, DR. JOHN W(ILLIAM). Urban Planning, Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also prof, 68-, Dept. of City & Regional Planning, University of California, Berkeley, Calif. 94720.
- DYDO, DR. JOHN S. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: V. pres, 63-, C.R. Dean Economics Inc, 315 Central Park W. New York, N.Y. 10025.
- DYE, DR. THOMAS ROY. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Government, Florida State University, Tallahassee, Fla. 32306.
- DYER, DR. DONALD R(AY). Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of State, INR/MP, Washington, D.C. 20521.
- DYER, DR. FREDERICK NORMAN, b. Palms, Mich, Jan. 15, 38; m. 64. EX-PERIMENTAL PSYCHOLOGY. B.Sc, Eastern Michigan, 63; M.A, Mich. State, 65, Ph. D. (psychol), 68. Asst. prof. ed. psychol, Alberta, 66-69; RES-SYCHOLOGIST, U.S. ARMY MED. RES. LAB, 69- U.S. A, 58-61. Psychol Asip. Psychonomic Soc. Vision, visual perception; human learning; cognitive processes. Publ: Co-auth, Luminance requirements for illuminated signs, Hwy. Res. Record, 67 & Effects of the apparent size of afterimages in studies of Emmert's Law, Proc. Annual Convention Am. Psychol. Asn, 68; auth, Note on Dees' size constancy explanation of the moon illusion, Perceptual & Motor Skills, 68. Address: U.S. Army Medical Research Lab, Ft. Knox, Ky. 40121.

- DYKSTRA, PROF. GERALD. Linguistics, Education. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.
- DYKSTRA, DR. RICHARD L(YNN). Mathematical Statistics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- DYRUD, DR. JARL E(DUARD). Psychiatry. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- DYSINGER, PROF. WENDELL STUART. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Psychologist, Ill. Dept. Ment. Health, 68-Address: Jacksonville State Hospital, 1201 S. Main St, Jacksonville, Ill. 62650.
- DYSON-HUDSON, DR. NEVILLE. Social Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Prof. soc. rels, Hopkins, 69-; mem. Royal Geog. Soc. exped, S. Turkana, 69-71. Address: Dept. of Social Relations, Johns Hopkins University, Baltimore, Md. 21218.
- DZIADEK, DR. FRED. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. dir. econ, U.S. Gen. Acct. Off, 68- Address: 1111 Arcola Ave, Silver Spring, Md. 20902.

E

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- EAGLE, PROF. MORRIS N(ATHAN). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., 69-, Dept. of Psychology, Yeshiva University, 55 Fifth Ave, New York, N.Y. 10003.
- EAKIN, DEAN CARL T(URNEY). Marketing. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dean, 68-, School of Business, University of Louisville, Louisville, Ky. 40208.
- EARICKSON, DR. ROBERT J, b. Roswell, N.Mex, Aug. 26, 34; m. 65; c. l. GEOGRAPHY. B.S. Arizona State, 63, M.A., 65; U.S. Pub. Health Serv. (el., Washington (Seattle), 67-68, Ph.D. (geog), 68. Res. asst. econ, West. Mgt. Consults, Ariz, 64-65; health facilities planning, Hosp. Planning Coun. Metrop. Chicago, 66-67, ASST. PROF. GEOG. & PUB. HEALTH, UNIV. HA-WAII, 68-48n. Am. Geogy, Regional Sci. Asn, Urban & Regional Info. Systs. Asn, Pop. Asn. Am. Distribution of phenomena or the interaction between places on the earth's surface, chiefly within or between urban areas; interrelationships between social, economic, cultural and physical phenomena. Publ: The spatial behavior of hospital patients: a behavioral approach to spatial interaction, In: Res. ser, University Chicago, 70; co-auth, Locational efficiency of Chicago hospitals: an experimental model, Health Serv. Res, 69; auth, Graduate training in the application of electronic data processing in geographic research, Asn. Pac. Coast Geographers Yearbook, 70. Address: Dept. of Geography, University of Hawaii, Honolulu, Hawaii 96822.
- EARL, PROF. ROBERT W(ILLIAM). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chief res, Stockton State Hosp, 69- Address: 134 Glencamon, Stockton, Calif. 95207.
- EARNEY, DR. FILLMORE C(HRISTY). Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Geography, Nor.hem Michigan University, Marquette, Mich. 49855.
- EASBY, ELIZABETH KENNEDY. Archaeology, Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Consult. Pre-Columbian Art, Metrop. Mus. of Art, 68- Address: 110 East End Ave, New York, N.Y. 10028.
- EASTBURN, DR. DAVID P(LUMB). Economics. See A-K Vol, 11th ed, Soc. & Behav, Vols. New position: Pres, Fed. Res. Bank of Phil, 70-Address: 75 Short Rd, R.D. 3, Doylestown, Pa. 18901.
- EASTER, DR. E(RNEST) CLIFFORD. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Counseling psychologist, 68-, Psychology Service, Veterans Administration Hospital, Brockton, Mass. 02401.
- EASTERBROOK, PROF. JAMES ARTHUR, b. Spooner, Wis, Apr. 10, 23; Can. citizen; m. 44; c. 5. PSYCHOLOGY. B.A. Queen's (Ont), 49, M.A., 54; Ph.D. (gsychol), London, 63. Lectr. psychol, Queen's (Ont), 49; defence resset. officer, Defence Res. Sci. Serv., 50-57; scientiat, Burden Neurol. Inst, 59-61; asst. prof. PSYCHOL, Alberta, 61-67; PROF, NEW BRUNSWICH, 67-67. Chmn, Joint Manpower Consult. Cmt, Fredericton, 68. R.C.A.F, 41-45, 49, Plight Lt. Can. Psychol. Asn; Brit. Psychol. Soc. Emotion and skill; attentive behaviour; economic development. Publ.: Ethyl alcohol and the effects of stress, In: Experiment with drugs, Pergamon, 63; The effect of emotion on cue utilization and the organization of behaviour, Psychol. Rev, 66: 183-201; co-auth, Disorders of attention and concentration, in: Symptoms of psychopathology, Wiley, 70. Address: Dept. of Psychology, University of New Brunswick, Fredericton, N.B, Can.
- EASTMAN, SAMUEL EWER. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 3900 Shoemaker St N.W., Washington, D.C. 20008.
- EASTON, DR. ALLAN, b. Hoboken, N.J, Sept. 15, 16; m. 38; c. 2. BUSINESS ADMINISTRATION. B.S., Hofstra Col., 57; Ford Found. 16, Columbia, 62-64, Ph.D. (bus), 64. Chief engr., Teletone Radio Corp, N., 47-50; eng., mgr., Radio Receptor Corp, 50-53; V.pres. & gen. mgr, Granco Prod., Inc., 53-56; v.pres. mk, Gen. Transistor Corp, 56-60; adj. assoc. prof. bus, Columbia, 61-66; ASSOC. PROF. MGT, HOFSTRA, 67- Econ. Asn, Inst. Elec. & Electronice Eng. Management and organizational behavior; decision theory: in-

dustrial marketing. Publ: Corporate image vs. corporate style, J. Mkt. Res, 6/66; A forward step in performance evaluation, J. Mkt, 7/66; Claimantships vs. membership as organizational constructs, J. Human Rels, first quarter 69. Address: 6040 Blvd. East, West New York, N.J. 07093.

EATON, DR. AUBREY MAC, b. Oklahoma City, Okla, Dec. 2, 38; m. 65. PSYCHOLOGY. B.A, California, Berkeley, 60; Ph.D.(psychol), Chicago, 68-9; ASST. PROF. PSYCHOL, CALIF. STATE COL. SAN BERNARDINO, 69- Psychol. Asn. Interpersonal processes. Address: 314 Echo Court, San Bernardino, Calif. 24404.

EATON, DR. B. CURTIS, b. Price, Utah, Apr. 16, 43; m. 65. ECONOMICS. B.A., Colorado, 65, Ph.D. (econ), 69. Res. economist, Colorado, 66-69; AST. P.ROF. ECON, BRITISH COLUMBIA, 69- Am. Econ. Asn. Can. Econ. Asn. Defense and labor economics; industrial organization. Publ: Co-auth, Reemployment experiences of defense workers, U.S. Govt. Printing Off, 69; auth, Studying mass layoffs through Markov chains, Indust. Rels, 10/70. Address: Dept. of Economics, University of British Columbia, Vancouver, B.C., Can.

EATON, DR. JOSEPH W. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: School of Public Health, University of Pittsburgh, Pat 15213.

EATON, DR. PAUL W. Economics, Statistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. statist, 69-, College of Business, Northern Illinois University, De Kaib, Ill. 60115.

EBANKS, DR. GOSPORT EDWARD, b. Jamaica, Mar. 1, 38; m. 68. SOCIOL-OGY, DEMOGRAPHY. B.A, Univ. Col. West Indies, London, 62; M.A, Cornell, 65, Ph.D. (sociol), 68. Res. asst, Pop. Coun, 66-67; ASST. PROF. SOCIOL, WESTERN ONTARIO, 68- Consult, Ford Found, 68-69. Pop. Asn. An; Am. Sociol. Asn; Can. Sociol. & Anthrop. Asn. Migration; fertility; family planning; social change; modernization. Publ: Internal migration in Jamaica, 68 & Characteristics of family planners, 70, Soc. & Econ. Studies; Users and non-users of contraception, Pop. Studies; 70. Address: Dept. of Sociology, University of Western Ontario, London 72, Ont, Can.

EBERHART, DR. JOHN C(AROL). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: National Institute of Mental Health, Bldg. 36, Room 1A-05, Bethesda, Md. 20014.

EBNER, DR. MICHAEL J, b. Berkeley, Calif, Dec. 2, 33; m. 57; c. 3. PSY-CHOLOGY. B.A, California, Berkeley, 56; M.A, Oregon, 63, Ph.D. (clinbehaviorism), 67. Psychol. assoc, Ore. State Hosp, 63; psychologist, Ore. Fairview Home, 63-64; sr. psychologist, Edgefield Lodge, 55-70; ASST. PROF. PSYCHOL, PORTLAND, 70- Field work in human ecology from a clinical-behavioral standpoint; behavior modification; functional analytic approach to psychological assessment. Publ: Co-auth, Modifying deviant social behaviors in various classroom settings, Dept. Ed, Univ. Oregon, 69. Address: 2168 N.E. Multnomah St, Portland, Ore. 97232.

ECHEVARRIA, DR. OSCAR A. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Coordinator systs. anal, Inter-Am. Develop. Bank, 69 - Address: P.O. Box 3559, Washington, D.C. 20007.

ECK, DR. THEODORE R. Economics, Finance. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dr. econ. planning, 69-, Ling-Temco-Vought, inc, P.O. Box 5003, Dallas, Tex. 75222.

ECKEL, DR. LEONARD GEORGE, b. Quinton, Sask, Mar. 19, 38; m. 62; c. 3. FINANCE, ACCOUNTING. B.A, Saskatchewan, 59, B.Comm, 60; Paton & Rodkey fels. & M.B.A, Michigan, 64, Ford Found, fel, Can. Coun. fel. & Ph.D. (bus), 68. Systs. officer, Saskatchewan, 62-63; ASSOC. PROF. ACCOUNTING, McMASTER, 65- Adult cducation for business; the public regulation of treasury stock transactions in the United States and Canada. Address: Faculty of Business, McMaster University, Hamilton, Ont, Can.

ECKENRODE, ROBERT T. Chemical Engineering, Experimental Psychology. See Suppl.V to 11th ed, Phys. & Biol. Vols.

ECKER, PROF. DAVID WINSLOW. Philosophy of Education. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

ECKER-RACZ, DR. L. LASZLO. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Sr. fel, Wash. Center Metrop. Studies, 69-Address: 1318 24th St. S, Arlington, Va. 22202.

ECKLES, DR. ROBERT WILLIAM, b. Cleveland, Ohio, May 27, 27; m. 57; c. 4. BUSINESS ADMINISTRATION, MARKETING. B.S, Miami (Ohio), 51, M.B.A, 59; D.B.A, Washington (St. Louis), 70. Sales & mkt. rep, Andrew Jergens Co, 51-52; sales rep, Burroughs Corp, 52-57; Egry Register Co, 57-58; instr. mkt, Northwest Mo. State Col, 61-62; asst. prof, Southern Illinois, 62-68; ASSOC. PROF. MGT, MISSOURI-ROLLA, 68- U.S.A, 45-47. Econ. Asn; Mkt. Asn; Asn. Systs. Mgt, Soc. Eng. Ed. Product management systems and organizational behavioral systems. Publ: Co-auth, The undergraduate marketing management course—an experiment in instructional technique, Collegiate News & Views, 10/69. Address: Dept. of Engineering Management, University of Missouri-Rolla, Rolla, Mo. 65401.

ECKLEY, PRES. ROBERT S(PENCE). Economics. See A-K Vol, 11th.ed, Soc. & Behav. Vols. New position & address: Pres, 68-, Illinois Wesleyan University, Bloomington, III. 61701.

EDDIE, DR. SCOTT McNEIL. Economics, Economic History. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Vis. prof, Philippines, 69-Address: c/o Ford Foundation, M.C.C, P.O. Box 740, Makati, Rizal D-708, Philippines.

EDDY, DR. JOHN PAUL, b. Glencoe, Minn, Jan. 18, 32; m. 58; c. 2. PSY-CHOLOGY, EDUCATION. B.S, Minnesota, Minneapolis, 54; B.D, Garrett

Theol. Sem. 59; M.A., Northwestern, 60; Danforth Found. grant, Southern Illinois, 67-68, Ph.D., 68. Res. dir. & educator, Cent. Mindianao Rural Center, 54-55; dir. drug ed, Garrett Theol. Sem. 55-57; prog. dir. & inst. rep, Wesley Found, Pa. State, 57-58; dir. group parish, Greenwood-Ringwood Church, Woodstock, Ill, 58-60; dir. & exten. lectr., Wesley Found, Mankato State Col., 60-65; asst. to dean, col. ed, Southern Illinois, 56, assoc. dir. cult. exchange, 66-67, res. teacher Steagall Hall, 67-68, asst. prof. philos. & dean students, Johnson State Col., 68-69; ASSCC. PROF. ED, N.MEX. NST. MIN. & TECH, 69-, acting dean students, 69, dir. teacher ed. & counselor, 69-70. Pastor Hope Chapel, Col., Ill. 66-67; res. chmn, Nat. Asn. Col. & Univ. Chaplains, 66-67; Asn. Coord. Religious Affairs, 69-70; private, state & Fed. grants for tutoring disadvantaged sec. sch. students, 69-71. Ed. consult, World Acad, 69-70. AAAS; Soc. Sci. Study Relig; Am Personnel & Guld. Asn. Empirical investigations into science teaching in elementary, secondary and higher education; university religious personnel; drugs on campus; billiqual and multicultural approaches in education; psychological and academic testing; counselor evaluation; disadvantaged students. Publ. Comparison of the characteristics and activities of religious personnel in church rejated colleges, in Handbook of college and university administration, McGraw, 69; Drugs and disclosure, Personnel & Guid. J, 11/69. Address: 914 Bursum Place N.W, Socorro, N.Mex. 87801.

EDDY, DR. WILLIAM BAHRET. Industrial Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, School of Administration, University of Missouri-Kansas City, Kansas City, Mo. 64110.

EDELSTEIN, PROF. ALEXS, S. Kertch, Russia, June 19, 19; nat; m. 46; c. 4.
COMMUNICATIONS. A. B. San Francisco State Col. 46; M. A., Stanford, 48;
Ph.D. (mass commun), Minnesota, 58, Dir in b., Modest Cit. 16; 33, from asst. prof. to PROF. COMMUN, WASHINGTON (SEATTLE), 55, DIR
INT. COMMUN. CENTER, 67-, dir. grad. studies, 55-63, commun. res. center, 65-67. Grants, Citizenship Clearing House, Seattle, 60-61; Citizens Coun. for State Leegis, 65-66; Nat. Endowment for Humanities, 68-69; vis. lectr. Stanford, 59-60; Fulbright lectr, Grad. Sch. Econ. & Mitt, Copenhagen, 63-64. U.S.N.R, 41, Lt. Asn. Ed. in Journalism (Asn. Pub. Opinion Res; Int. Asn. Mass Commun. Res. The functions of mass media in facilitating sense of community; mass communication and politics, in relation to state, national, and international affairs; mass communication and national development. Publ. Perspectives in mass communication on domains and an expensive publication of the sense of urban community, Journalism Quart, 37:489-489; auth, Since Bennington: evidence of change in student political behavior, Pub. Opinion Quart, 26: 564-577. Address: School of Communications, University of Washington, Seattle, Wash. 98105.

EDELSTEIN, DR. J. DAVID. Social Psychology, Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 68-, Dept. of Sociology, Syracuse University, Syracuse, N.Y. 13210.

EDGERTON, DR. MILLS FOX, JR. Romance Philology. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.

EDMOND, DR. CLARENCE D. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: State leader community resource develop, 69-, Cooperative Extension Service, University of Arizona, Tucson, Ariz. 85721.

EDMONDS, DR. WILLIAM SYLVESTER. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Graduate School, Virginia State College, Petersburg, Va. 23806.

EDWARDS, PROF. CHARLES E(DWARD. Business Administration, Economics. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. bus. admin. & dir, 68-, Bureau of Business & Economic Research, University of South Carolina, Columbia, S.C. 29208.

EDWARDS, DR. CLINTON R. Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Dept. of Geography, University of Wisconsin, Milwaukee, Wis. 53201.

EDWARDS, PROF. EDGAR O(WEN). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prog. adv, 70-, Ford Foundation, 320 E. 437d St, New York, N.Y. 10017.

EDWARDS, DR. MORRIS O(SWALD), b. Salt Lake City, Utah, Aug. 8, 11;
m. 33; c. 2. INTERNATIONAL RELATIONS. B.S. U.S. Mil. Acad, 33, M.A,
Georgetown 51, Ph.D. (polit steel, 57 in Instr. law, U.S. Mil. Acad, 37-41;
consult, 19, Ph.D. (polit steel, 57 in Instr. law, U.S. Mil. Acad, 37-41;
Defense Col. Paris, 60-61; vis. prof. int. rels. Macuelster Col. 63-65; RR
OPERS. ANALYST, STANFORR RES. INST, 65- Dir. creative ed. proj. Macalester Col. 63-65; Rat Curiv.
N.Y. Buffalo, 63-70; dir. Creative Prob-Solving Inst, State Univ.
N.Y. Buffalo, 63-70; dir. Creative Prob-Solving Inst, State Univ.
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- EDWARDS, DR. THOMAS LEE, b. Stanley, N.Dak, Dec. 29, 38; m. 60; c. 2. ECONOMICS. B. A., Berea Col, 60; univ. lel, Claremont Grad Sch, 60-62; Lincoln Found. fel, 63, Relm Found. lel. & M. A, 67, Ph.D. (econ), 68. Instr. ECON, Whitman Col, 63-65; res. analyst, U.S. Govt. 65-68; ASST. PROF, HOLLINS COL, 68- Econ. Asri, Latin Am. Studies Asn. Latin American economic development; international liquidity and balance of payments adjustment problems; environmental problems; environmental problems; environmental problems; united States price support program for agriculture. Address: Dept. of Economics, Hollins College, Val 2020.
- EDWARDS, PROF. WILLIAM E(LLIS). Anthropology, Archaeology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Prof. anthrop, Temple Buell Col, 68- Part-time sr. archaeologist, inst. archaeol. & anthrop, Univ. South Carolina. Address: Temple Buell College, Denver, Colo. 80220.
- EFRAT, DR. EDGAR SHLOMO. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, Dept. of Political Science, University of Victoria, Victoria, B.C., Can.
- EFRON, DR. HERMAN YALE. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir, patient care eval, staff, Vet. Admin. Cent. Off, Wash, D.C, 69-Address: 909 Brentwood Lane, Silver Spring, Md. 200912
- EFRON, DR. ROBERT. Neuropsychology, Neurophysiology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- EGAN, DR. JAMES J, b. West Orange, N. J., Mar. 1, 30; m. 59; c. 4. AUDIOL-OCY, SPEECH PATHOLOCY. B.S. Western Michigan, 58; Nat. Insts. Health lel, Western Reserve, 65-66, Ph.D. (audiol, speech path), 67. ASST. PROF. SPEECH, BOWLING GREEN STATE, 67. Consult, Ohio Dept. Health, 65-U.S.A.F., 50-54. Speech & Hearing Asn, Acoustical Soc. Am. Clinical assessment of hearing ability in children; effects of ambient noise on speech. Publ. Co-auth, On assessing threshold of the better-Han-normal hearing population, J. Acoustical Soc. Am. 3/65. Address: Dept. of Speech, Bowling Green State University, Bowling Green, Ohio 43402.
- EGAN, PROF. JAMES P(ENDLETON). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Psychology, University of Texas, Mezes Hall, Austin, Tex. 78712.
- EGAN, DR. JOHN M, b. Wales, Mar. 24, 20; U.S. citizen. PSYCHOLOGY. B.S. Fordham, 43; B.A. St. John's 46, M.S. 47, M.A. 48; Ph.D. (psychol), N.Y. Univ, 59; William Alanson White Inst, 62-64. Teacher, All Hallows High Sch, New York, 43-47; from instr. to ASSOC. PROF. PSYCHOL, IONA COL, 47-, ASSOC. PROF. PASTORAL COUNSELING, GRAD. DIV, 63- Lectr. workshops, Catholic Univ, 58-; Cath. Univ. P.R. 63; travelling guest lectr, Australia, N.Z. & Far East, 68. Consult, U.S. Air Force Chaplains, Europe & Mid. East, 62; Acad. Relig. & Ment. Health, 62- Psychol. Asn. Psychotherapy; counseling psychology; psychological testing; adolescent development and therapy; psychology of religion; pastoral counseling; teaching. Address: Dept. of Psychology, Iona College, New Rochelle, N.Y. 10801.
- EGAN, DR. KATHERINE SNOW. Speech Pathology, Audiology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- EGELSTON, DR. RICHARD LESTER, b. Albany, N.Y., Jan. 9, 37; m. 60; c. 1. PSYCHOMETRICS, EDUCATION. B.S, State Univ. N.Y. Albany, 60, M.S, 63; Ph.D.(ed. res), State Univ. N.Y. Buffalo, 69. Teacher, pub. sch, N.Y., 60-63; asst, State Univ. N.Y. Buffalo, 63-65, eval. specialist, 67-69; ASST. PROF, dept. psychol. & ed., Northern Michigan, 65-67; PSYCHOL, STATE UNIV. N.Y. GENESEO, 69- Ed. Res. Asn, Nat. Coun. Measurement in Ed; Psychomet. Soc. Markov chain analysis; motivation, teaching methodology; teacher evaluation. Publ: Upper peninsula multi-district planning project, 1shpeming Pub. Schs, Mich, 68; Teacher evaluation: reexamined, Sci. Teachers Bull, 69; Student self-evaluation as a predictor of student achievement, Quart, State Univ. N.Y. Buffalo, 69. Address: Dept. of Psychology, State Univ. NY. Buffalo, 69. Address: Dept. of Psychology, State
- EGETH, DR. HOWARD ELLIOTT, b. Newark, N.J., Feb. 15, 40; m. 69. PSY-CHOLOGY. A.B., Rutgers, 61; Ph.D. (psychol), Michigan, 66. Asst. prof. PSYCHOL, HOPKINS, 65-70, ASSOC. PKÖF, 70- Psychol. Asn; Psychonomic Soc. Perception; cognition. Publ: Selective attention, Psychol. Pof. & Multidimensional stimulus identification, Perception & Psychophysiol, 63 co-auth, Attention, In: Handbook of psychology, Prentice-Hall, 71. Address: Dept. of Psychology, Johns Hopkins University, Baltimore, Md. 21218.
- EGLASH, DR. ALBERT. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New Information: Headmaster, Cyniam Free Sch, 69+; private psychologist. Address: 1667 McCollum, San Luus Obispo, Calif. 93401.
- EGNER, DONALD OTTO. Physics, Operations Research. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- EHRHARDT, DR. ANKE A. b. Hamburg, West Germany, Feb. 20, 40; m. 68.

 MEDICAL PSYCHOLOGY. Vordiplom, Munich, 62, Diplom, Hamburg, 64; Ph.D. (psychol), Düsseldorf, 69. Asst. med. psychol, Psychohormonal Res. Unit, Hopkins, 64-67; psychol, Düsseldorf, 67-69; instr. med. psychol, psychohormal res. unit, Johns Hopkins Univ. & Hosp, 69-70; ASST, RES. PROF. PEDIAT. & PSY-CHIAT, CHILDREN'S HOSP, STATE UNIV. N.Y. BUFFALO, 70- 50c. Sci. Study Sex; Soc. Shudy Reproduction; German Soc. Sex Res. Medical psychology: hormones and behavior, especially in hermaphroditic children and adults: behavior genetics; psychosexual differentiation. Publ: Co-auth, Progestin-induced hermaphroditism: (Q and psychosexual identity in a study of ten girls, J. Sex Res. 3: 83-100, Fetal androgens and female gender identity in the early-treated adrenogenital syndrome, Johns Hopkins Med. J., 142: 160-167 & Prenatal hormonal exposure: possible effects on behaviour in man, In: Endocrinology and human behaviour, Oxford, 68; plus others. Address: Children's Hospital, State University of New York at Buffalo, Buffalo, N.Y. 14222.

- EHRLICH, DR. ROBERT S. Modern & Early History of Ideas. See 5th ed, Dir. Am. Scholars, Vol. 1, Hist. New position & address: Asst. prof. soc. sct, 68-, College of Basic Studies, Boston University, Boston, Mass. 02215.
- EHRMAN, LIBERT. Social Science, Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Surveys & Research Corp, 1828 L St. N.W, Washington, D.C. 20036.
- EICHER, DR. CARL K, b. Newberry, Mich, Apr. 3, 30; m. 52; c. 3. AGRI-CULTURAL ECONOMICS. B.S. Mich. State, 52, M.S., 56; Ph.D.(econ), 61. Instr. agr. econ, Mich. State, 54-56; asst. prof, 61-63; dir. econ. develop. inst, Univ. Nigeria, 64-66; ASSOC. PROF. AGR. ECON, MICH. STATE, 65-Vis. prof, lood res. inst, Stanford, 68. Consult, Agency Int. Develop. & World Bank Mission to Tanzania, 69; mem, overseas liaison cmt, Am. Coun. Ed, 69- Agr. Econ. Asn, Econ. Asn, fel. African studies Asn. International economic development especially agricultural development problems in Africa. Publ: Co-auth, Agriculture in economic development, McGraw, 64 & Growth and development of the Nigerian economy, Mich. State Univ. 70; auth, Research on agricultural development in English speaking West Africa, Agr. Develop. Com, 70. Address: Debt. of Agricultural Economics, Michigan State University, East Lansing, Mich. 48824.
- EICHHORN, PROF. ROBERT L(EE). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: On leave from Purdue as dep. dir. off. prog. develop, 69-71, National Center for Health Services Research & Development, 4040 N. Fairfax Dr, Arlington, Va. 22203.
- EICKHOFF, DEAN ANDREW R(OBERT). Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- EIDELBERG, DR. PAUL, b. Brooklyn, N.Y. June 21, 28; m. 47; c. 3. POLIT-ICAL PHILOSOPHY, CONSTITUTIONAL LAW. M.A. Chicago, 57, Ph.D. (polit. sci), 66. Vis. prof. POLIT. ScI. Sweet Briar Col, 66-67; asst. prof. N.C. State, 67-68; ASSOC. PROF, KENYON COL, 68- U.S.A.F, 46-53, 1st LI. Polit. Sci. Asn. American political thought and government. Publ: The philosophy of the American Constitution, Free Press, 68; The crisis of our times, Cong. Record, 7/31/68; The temptation of Herbert Marcuse, Rev. Polit, 10/69. Address; Dept. of Political Science, Kenyon College, Gambier, Ohio 43022.
- EIDENBERG, DR. EUGENE, b. New York, N.Y, Oct. 5, 39; m. 61; c. 2. PO-LITICAL SCIENCE. B.A, Wisconsin, 61; M.A, Northwestern, 63, Am. Polit. Sci. Asn. Congressional lef., 64-65, Ph.D. (polit. sci.), 66. Asst., prof. POLIT. SCI, MINNESOTA, MINNEAPOLIS, 65-68, ASSOC. PROF, 69-, ASST. V.PRES. ACAD. AFFAIRS, 70- Polit. Sci. Asn. American political institutions and processes; public policy making in the American scene focusing on law enforcement policy at the municipal level. Publ: Co-auth, An act of Congress, Norton, 69; auth, Americanizing the war in Vietnam: Presidential decision-making, in: American political institutions and public policy, Little, 69; co-auth, The police and politics, in: The police in urban society, Russell Sage, (in press). Address: Dept. of Political Science, University of Minnesota, Minneapolis, Minn. 55455.
- EINHORN, DR. CARL M(URRAY). Counseling Psychology. See A-K Vol, 11th ed, 50c. & Behav. Vols. New information: Also dir. counseling & psychol. serv, Newark State Col, 69- Address: 44 Yorktown Rd, East Brunswick, N.J. 08816.
- EINSPAHR, DR. MARTIN H(ARLEY). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: No longer govt. loans adv, Fullerton Jr. Col, 321 E. Chapman Ave, Fullerton, Calif. 92634.
- GR. Col, 321 E. Chapman Ave, Fulerton, Latin. 3203.

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- EISELEIN, DR. EDDIE BILL, b. Pensacola, Fla, Dec. 31, 42; m. 62; c. 1. SO-CIAL ANTHROPOLOGY. B.A, Montana, 65; M.A, Arizona, 67, Ph.D.(an-throp), 69. Res. assoc. water resource develop, ARIZONA, 67-69, RES. SPECIALIST MEXICAN-AM. TV, 69- Mem. screening cmt, Migrant Opportunity Prog. 69- Fel. Anthrop. Assoc. Spo. Appl. Anthrop: Soc. Sci. Shudy Sex. Urban-industrial social systems; deviant behavior; mudism; Mexican-American television programming. Publ: The American mudist camp, Sexology, 2/70. Address: KUAT-TV, University of Arizona, Tucson, Ariz. 85721.
- EISELEN, DR. ELIZABETH. Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: No longer with Nat. Coun. Geog. Ed. Address: 421 N. Oak Park, Oak Park, Il. 60302.
- EISENBERG, PROF. RALPH. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. dir, 69-, Institute of Government, University of Virginia, 201 Minor Hall, Charlotteswille, Va. 22903.
- EISENMAN, DR. RUSSELL, b. Savannah, Ga, Apr. 17, 40; m. 64; c. 1. PSY-CHOLOGY. B.A, Oglethorpe, 62; M.S. Georgia, 63, Ph. D.(psychol), 66. Asst. prof. PSYCHOL, TEMPLE, 65-69, ASSOC. PROF, 69-Temple trustees grants, 66-69; res. assoc, Hahnemann Med. Col, 67-69; Soc. & Rehab. Serv, Dept. Health, Ed. & Welfare grant, 69-172. Psychol. Asn. Personality re-

search, especially in the area of personality-social; creativity; birth order. Publ: Creativity, awareness, and liking, J. Consult. & Clin. Psychol, 69; The psychology of modern art, In: New outlooks in psychology, Philos. Libr, 69; Values and attitudes in adolescence, In: Understanding adolescence, Allyn & Bacon, 69. Address: Dept. of Psychology, Temple University, Philadelphia, Pa. 19122.

EISENMENGER, DR. R(OBERT) W(ALTZ). Economics. See A-K Vol, 11th ed, 50c. & Behav. Vols. New position: Sr. v.pres, 69-, Federal Reserve Bank of Boston, 30 Pearl St, Boston, Mass. 02106.

EISENSTADT, PROF. ARTHUR A, b. New York, N.Y., Jan. 23, 18; m. 40; c. 3. SPEECH. A.B., Brooklyn Col., 38, M.A., 46; fel, Cornell, 47-48; Ph.D.(rhet, path), N.Y. Univ, 54. Tutor speech, eve. sch, Brooklyn Col., 45-46; asst. prof., Rutgers, 48-55; speech consult, Newark Bd. £d, 55-63; PROF. SPEECH PATH. & DIR. SPEECH CENTER, ST. JOHN'S (N.Y.), 63-80; Shell Found. res. award, 68- Book ed, Todays Speech, Speech Asn. East. States, 53-57; Ed-in-chief, J. N.J. Speech & Hearing Asn. Speech Asn. Anc (consult. ed, Speech Teacher, 54-57); Speech & Hearing Asn. Speech Asn. Chommaniles; lingual-thrust and associated speech disorders; inter-disciplinary speech rehabilitation. Publ: Speech patterns of vision-loss children, New Beacon, 3/60; Professional nomenclature, J. N.J. Speech & Hearing Asn. 2/63; co-auth, chap. 18, in: Martial counseling. C.C. Thomas, 67. Adress: Dept. of Speech, St. John's University, Grand Central Pkwy. & Utopia Pkwy, Jamaica, N.Y. 11432.

EISNER, DR. HOWARD. Electrical Engineering, Operations Research. See Suppl. V to 11th ed, Phys. & Biol. Vols.

EKVALL, ROBERT BRAINERD. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Res. assoc, 69-, Dept. of Anthropology, University of Washington, Seattle, Wash. 98105.

EL-ASSAL, DR. MOHAMED M, b. Toukh, Egypt, Sept. 20, 29; U.S. citizen; m. 66. SOCIOLOGY. Dipl. art & hist, Col. Appl. Arts, Egypt, 50; dipl. ed, Inst. Ed, Egypt, 51; M.S. Indians, Bloomington, 57, M.A., 62; Ph.D. (sociotil), 9. Ed. (1997), a consistent of the color of the color

EL-AYOUTY, DR. YASSIN, b. Kanayat, Egypt, Apr. 14, 28; m. 59. POLITI-CAL SCIENCE. B.S, Trenton State Col., 53; M.A, Rutgers, 54, Louis Bevier fel, 54-55; Ph.D.(int. orgin), N.Y. Univ, 66. SECY. BD. TRUSTEES & CHEF DE CABINET, UN INST. TRAINING & RES, N.Y. 65-; ADJ. ASSOC. PROF. AFRICAN & MID. EAST. STUDIES, CENTER FOR AFRICAN STUDIES, ST. JOHN'S (N.Y), 66- POlit. Sci. Asit, Soc. Int. Law. Revolutionary movements and one party states in North and East Africa and in the Middle East; regional organization in Africa and the Middle East. Address: United Nations Institute for Training & Research, 801 United Nations Plaza, New York, N.Y. 10017.

ELAZAR, PROF. DANIEL J(UDAH). Political Science. See A-K Vol, 11th ed, 50c. & Behav. Vols. New publ: Cities of the Prairie, Basic Bks, 69; Cooperation and conflict: a reader in American federalism, Peacock Press, 69; Ha mishtar ha federali b'artzot ha brit: mekorot v'maamarim, Academon, Vols. 1 & II, 69. Address: Center for the Study of Federalism, Temple University, 1947 N. Broad St, Philadelphia, Pa. 19122.

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ELBING, PROF. ALVAR OLIVER, JR. Business Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Vis. prof. orgn. behav, Mgt. Develop. Inst, Lausanne, Switz, 70-71. New publ: Behavioral decisions in organizations, Scott, 70. Address: P.O. Box 1059, 1001, Lausanne, Switz.

ELDER, PROF. ROBERT E(LLSWORTH). International Relations. See A-K Vol. 11th ed, Soc. & Behav. Vols. Publ: Information machine: the United States Information Agency and American foreign policy, Syracuse Univ. 68 (title change). Address: Dept. of Political Science, Colgate University, Hamilton, N.Y. 13346.

ELEFSON, PROF. R(ICHARD) VERN, b. Bovina, Colo, Aug. 4, 30; m. 55; c. 5. LAND ECONOMICS. B.S, Missouri-Columbia, 53; Ph.D. (land econ), Minnesota, Minneapolis, 65. Instr. econ, Minnesota, 57-66; PROF. AGR ECON, WIS. STATE, RIVER FALLS, 66- U.S.A, 53-55. Agr. Econ. Asn. Agricultural finance. Publ: Co-auth, Transferring farms with land contracts, Minn. Agr. Exp. Sta, 61; auth, The rediscount market for land contracts, Land Econ, 60. Address: Dept. of Agricultural Economics, Wisconsin State University, River Falls, Wis. 54022.

ELEK, DR. PETER S, b. Budapest, Hungary, Jan. 19, 22; U.S. citizen; m. 63; c. 4. ECONOMICS. B.A, Palatine Joseph Univ, Hungary, 43, Ph.D. (econ), 45; Cambridge, 49-50. Consult. economist, Blue Cross Greater Phila, 62; ASSOC. PROF. ECON, VILLANOVA, 64- Econ. Asn; Asn. Adv. Slavic Stud-

ies. Economic reforms and planning; sectorial behaviors in the new economic mechanism; the economic costs of national health service. Address: 1 Rodney Rd, Rosemont, Pa. 19010.

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ELINSON, DR. J(ACK). Social Psychology. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position: Prof. sociomed. sci, Columbia, 69- Address: 560 Riverside Dr., New York, N.Y. 10027.

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ELLIOTT, DR. CHARLES FOX. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. polit. sci. & int. affairs, 69-, Institute for Sino-Soviet Studies, George Washington University, Washington, D.C. 20006.

ELLIOTT, DR. D(AVID) H(ENRY), b. Dalton, Ga, Nov. 5, 42; m. 66. SOCI-OLOGY, ANTHROPOLOGY. B.A. & Ford Fel, Yale, 64; Mellon fel. & Ph.D. (sociol), Pittsburgh, 68. Prof. dir. sociol, Learning Res. & Develop, Center, Pittsburgh, Pa, 66-68; ASST. PROF. SOCIOL. & ANTHROP, DALHOUSIE. 68- Can. Nat. Health & Can. Coun. grants, 69- Am. Anthrop. Asn. Am. Sociol. Asn, Can. Sociol. & Anthrop. Asn. Computer simulation in anthropology; survey research; research methodology; cross-cultural research; sociology of leisure. Publ. Co-auth, Poverty and educational deprivation. Learning Res. & Develop. Center, Pittsburgh, 68; auth, Computer simulation of age grading systems among the Konso of Ethiopia, Am. Anthrop, Asn. 69. Address: Dept. of Sociology & Anthropology, Dalhousie University. Halifax, N.S, Can.

ELLIOTT, DR. EARL S(AUNDERS), JR, b. St. Joseph, Mo, June 29, 26; m. 49; c. 2. EDUCATIONAL PSYCHOLOGY, GUIDANCE. B.S. Kansas State, 50, M.S. 54; Ed.D. (ed. psychol, guid), Kansas, 67. Teacher, pub. schs, Kans, 50-62, prin, 62; asst. to dean men & coordinator scholar. halls, Kansas, 62-64; counsr, PA. STATE, Mont Alto Campus, 64-66, asst. prof. & dir. counseling center, Capitol Campus, 66-69, ASST. TO DEAN SPEC. PROJS. & ASST. PROF. HUMAN DEVELOP, 70-A sst. prof., Univ. Center Harrisburg, 66-69. Consult, Harrisburg State Hosp. 69-U.S.A.A.F, 44-66. Psychol. Asn, Personnel & Guid. Asn, Nat. Voc. Guid. Asn. Counseling psychology; mental health. Publ: Four year and two year engineering students: a comparison of abilities, J. Counseling Psychol, 15: 279-283; Counseling status and academic achievement of college freshman, Personnel & Guid. 1, 12/68. Address: College of Human Development, Pennsylvania State University, University Park, Pa. 16802.

ELLIOTT, DR. JEAN LEONARD, b. New York, N.Y. Sept. 7, 41; m. 66. SO-CIOLOGY. B.A, Wells Col, 53; M.A, Kansas, 55; Ph.D. (sociol), Pittsburgh, 68. ASST. PROF. SOCIOL, DALHOUSIE, 68- Sociol. Asn. Medical sociology; minority groups. Publ: Ed, Minority Canadians, Prentice-Hall, Can, 70. Address: Dept. of Sociology & Anthropology, Dalhousie University, Halifax, N.S, Can.

ELLIOTT, PROF. RICHARD M(AURICE). Psychology. See 11th ed, Soc. & Behav. Vols, deceased 69.

ELLIOTT, DR. SEAN MICHAEL. Political Science. See A.-K Vol, 11th ed. Soc. & Behav. Vols. New information: Consult. economist, Fed. Home Loan Bank of Boston, 69- sr. assoc, joint center urban studies, Harvard-Mass. Inst. Tech, 70- Address: Federal Home Loan Bank of Boston, P.O. Box 2166, Boston, Mass. 20150.

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- Court; sociology of intellectual knowledge. Publ: The Peacock Syndrome: barriers to economic development in Egypt, Pub. Policy, 15: 212; Guilt and overguit: some reflection on moral stimulus and paralysis, Ethics, 78: 247; Prometheus, Proteus, Pandora, and Procrustes unbound: the political consequences of reapportionment, Univ. Chicago Law J, 70. Address: Pitzer Hall, Claremont Men's College, Claremont, Calif. 91711.
- ELLIS, PROF. CARROLL BROOKS. Speech, Religion. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- ELLIS, PROF. FREDERICK E(UGENE), Hist. & Philos. of Educ, see 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- ELLIS, PROF. JAMES EDWARD, b. Wichita, Kans, Aug. 26, 24; m. 46; c. 4. BUSINESS MANAGEMENT. B.S. Wichita State, 48; M.S. Colorado, 60. Mgt. trainee, Fox Vilet Wholesale Drug Co., 48-50; prod. control trainee, Air Mat. Command, Tinker Air Force Base, U.S. Air Force, 50-51, chief budget div, 51-52, supvry. budget analyst, 52-57, chief acet, Hg. Air Defense Command, 77-58, systs. acet, 58-59, asst. prof. MKT. & MGT, OKLAHOMA CITY UNIV, 62-66, ASSOC. PROF. 66-, mkt. & mgt. dir. M.B.A. prog, 66-69. U.S.A.F. 43-52, Res, 52-, Lt. Col. Mgt. Asn; Soc. Adv. Mgt, Acad. Mgt, Mkt. Asn. Organizational and consumer behavior; organization theory; management theory; social responsibility and ethics of business; marketing theory. Address: 4632 N.W. 61, Oklahoma City, Okla. 73122.
- ELLIS, DR. NEWTON CASS. Experimental Psychology. See A-K Vol., 11th ed, Soc. & Behav. Vols. New position: Asst. prof. indust. eng, Texas A&M, 69- Address: 3702 Oak Ridge Dr., Bryan, Tex. 77801.
- ELLIS, PROF. ROBERT A(RTHUR). Sociology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Prof. & chmn, 70-, Dept. of Sociology, University of Maryland, College Park, Md. 20742.
- ELLISON, DR. DAVID LEE. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. res. prof. 70-, Graduate School of Public Health, University of Pittsburgh, Pittsburgh, Pa. 15213.
- ELLS, DR. JERRY G. b. Bigfork, Minn, Sept. 14, 39; m. 59; c. 2. PSYCHOL-OGY. B.A. Fresno State Col, 64; Nat. Defense Ed. Act fel, Oregon, 55-68, M.A. 66, Ph.D. (psychol), 69. Social worker, Fresno County Dept. Welfare, 64-65; res. asst. PSYCHOL, Univ. Oregon, 68-69; ASST. PROF, CALGARY, 69- Nat. Res. Coun. Can. grant, 69- U.S.N., 57-60; Res, 60-63. Perceptual motor skills. Publ: Cooperation and the variation of payoff in non-zero-sum games, Psychonomic Sci, 66; Motivational determinants of choice in chicken and prisoner's dilemma, J. Conflict Resolution, 68. Address: Dept. of Psychology, University of Calgary, Calgary, Alta, Can.
- ELLSWORTH, DR. JOHN WILLIAM. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also asst. dean res, 69-, School of Graduate Studies & Research, Office of Research & Projects, Southern Illinois University, Edwardsville, 111. 62025.
- ELLSWORTH, PROF. ROBERT ALDEN, b. Morrisville, Va, Oct. 7, 07; m. 37. POLITICAL SCIENCE. A.B., N.Y. Univ., 37; M.A., Columbia, 41. Econ. Analyst, Brooklyn Edison Co., 33-40; Bd. Econ. Warfare, 41-42; instr. int. rels, Princeton, 46-47, adminstr, Sch. Int. Affairs, 47-49; polit. & econ. analyst, U.S. Govt, 49-54; assoc. prof. POLIT. SCI, JOHNSON STATE COL, 57-60, PROF. 60-, CONVENOR, SOC. SCI. DIV. & CHMN. DEPT. HIST, 68-, CHMN. DEPT. POLIT. SCI, 69- V. pres., Vt. Coum. World Affairs, 66-72. U.S.N., 42-46, Lt. Comdr. Polit. Sci. Asn; Acad. Polit. & Soc. Sci. Pre-Columbian history, especially Maya, Inca and Aztec civilizations. Address: 12 Congress St, Morrisville, Vt. 05661.
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 EL-MELIGI, DR. ABDEL-MONEIM A, b. Egypt, Nov. 2, 23; m. 54; c. 3. PSYCHOLOGY. B. A, Alexandria, 43; Dipl. Ed, Ain-Shams, Cairo, 45; M. A, Cairo, 51; Tavistock Inst. Human Rels, London, 52-54, summers 59, 61; Ph.D. (Dsychoh), London, 54. Teacher high sch, Cairo, 45-48; lettr, psychol, col. ed, Ain-Shams, Cairo, 49-51, 55-60; assoc. prof. clin. psychol, 60-61; psychol, State Univ. N.Y. New Palz, 60-61; assoc. dir, Psychol, serv. & res. center, N.J. Neuropsychiat. Inst., 62-66; dir. psychol, Pinehaven Sanitarium, Bayville, N.J., 66-67; RES. SCIENTIST, BUR. RES. IN NEUROL & PSY-CHIAT, N.J. NEUROPSYCHIAT. INST., 67- Lettr, Douglas Col, Rutgers, 63, vis. prol, col. arts & sci, 63-67, suppr. training in sch. psychol, grad. sch. ed, 64-66. Consult, Carrier Clin, Belle Mead, N.J., 65-; mem. adv. bd. psy-chol. sci, assoc. Brit. Royschol. Am. Schizophrenia Found, 66- Am. Psychol. Asn; assoc. Brit. Royschol. Am. Schizophrenia Found, 66- Am. Psychol, Asn; assoc. Brit. Royschols Forum & Soc. Projective Tech. Psychology of schizophrenia; patterns of suicide; violence as a function of perceptual anomalies; identity disorders in mental illness; problems of communication between people; cross-cultural research. Psyll. Co- auth. Psycholation of the experiential world inventory; a non-projective aid for the Royschach, In: Proceedings of the international congress of Royschach and other projective techniques, Hans Huber, Bern, 70. Address: Bureau of Research in Neurology & Psychiatry, New Jersey Neuropsychiatric Institute, Princeton, N.J. 06540.
- ELMORE, DR. THOMAS MORRIS, b. Wilson, N.C., Dec. 28, 26; m. 56; c. 3. PSYCHOLOGY, EDUCATION. B.A, Wake Forest, 56; M.A., George Peabody Col, 57; Ph.D. (psychol.), Ohio State, 62; summer, Minnesota, 68. Teacher, high sch, N.C., 56; counsr, N.C. State, 57-59; asst. prof. COUNSELING PSY-CHOL, DEPT ED, WAKE FOREST, 62-67, ASSOC. PROF, 67.-DIR. COUNSR. ED, & COUNSR. TRAINING, 70., dean students, 62-70. Nat. Defense Ed. Act Counseling & Guid. Taning Inst, N.C. State, summer 59. U.S.N. 44-46. Psychol. Asn; Personnel & Guid. Asn. Psychological anomie; Counseling psychology. Publ: The development of a scale to measure psychological anomie, 65 & Anomie, personality and existential neurosis, 67, Am. Psychol. Asn. Proc. Address: Dept. of Education, Box 7266 Reynolda Station, Wake Forest University, Winston-Salem, N.C. 27109.

- ELONEN, PROF. ANNA S(IVIA). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Consult. prog. dir, lang. for the deaf child through parent ed. proj, Mott Found, 69- Address: 2460 Glacier Way, Ann Arbor, Mich. 48105.
- ELVEKROG, DR. MAURICE OLIVER. Psychology. See A-K Vol., 11th ed, Soc. & Behav. Vols. New information: Independent consult. psychologist, 69- Address: 200 Elm St, Birmingham, Mich. 48008.
- ELWELL, PROF. HARRY H(OWARD), JR. Marketing. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. mkt, 69-, College of Business Administration, Memphis State University, Memphis, Tenn. 38111.
- EMANUEL, DR. FLOYD W(ESLEY), b. Tulsa, Okla, Aug. 29, 31; m. 52; c. 2. COMMUNICATION DISORDERS. B.A, New Mexico, 53, M.A, 57; Ph.D. (speech path), Oklahoma, 63. Asst. prof. COMMUN. DISORDERS, UNIV. OKLAHOMA MED. CENTER, 63-68, ASSOC. PROF, 68-, coordinator, Cleft Palate Clin, 60-67. U.S.N, 53-56, Lt. (jg.). Speech & Hearing Asn; Acoustical Soc. Am. Acoustic and physiologic aspects of speech and voice production. Publ: Co-auth, Some spectral features of normal and simulated rough owels, Folia Phoniat, 21: 401-415, Some characteristics of oral and nasal air flow during plosive consonant production, Cleft Palate J, 7: 249-260 & Spectral noise levels and roughness severity ratings for normal and simulated rough vowels produced by adult females, J. Speech & Hearing Res, (in press). Address: Dept. of Communication Disorders, University of Oklahoma Medical Center, 825 N.E. 14th St, Oklahoma City, Okla. 73104.
- EMCH, DR. ARNOLD F. Philosophy. See 5th ed; Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- EMENHISER, DR. JeDON A(LLEN). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. polit. sci, Utah State, 69-, chmn. dept, 68- Address: Dept. of Political Science, Utah State University, Logan, Utah 34321.
- EMERICK, DR. LONNIE L, b. Detroit, Mich, Jan. 4, 33; m. 58; c. 2. SPEECH PATHOLOGY. B. A. Mich. State, 56, M. A. 59, Ph. D. (speech path), 66. Vis. instr. speech path, West Virginia, summer 61; asst, prof. SPEECH PATH. & AUDIOL, Moorhead State Coi, 61-65; ASSOC. PROF. NORTHERN MICH.—6 AUDIOL, Moorhead State Coi, 61-65; ASSOC. PROF. NORTHERN MICH.—68. Consult, Vet. Admin. Hosp, Fargo, N.Dak, 61-65. Mem. bd. dirs, Coun. Adult Stutters. Speech & Hearing Asn. Stuttering; aphasia; interviewing. Publ: Extension definition and attitude toward stuttering, J. Speech & Hearing Res, 3: 181-186; Therapy for young stutters, Exceptional Children, 31: 398-402; Bibliotherapy for stuttering; four case histories, Quart. J. Speech, 52: 74-79. Address: Dept. of Speech, Northern Michigan University, Marquette, Mich. 49855.
- EMERSON, PROF. M(ORELLE) JARVIN, b. Watertown, S.Dak, Apr. 22, 35; m. 58; c. 4. ECONOMICS. B.A, Luther Col., 57; M.A, Iowa, 60, Ph.D. (econ), 63. Asst. prof. ECON, Baker, 60-62; asst. prof. KANSAS STATE, 62-66, assoc. prof., 66-69, PROF., 69- Nat. Sci. Found. res. grant, 65-68. Consult, Southwest. Bell, 65-65; State of Tex, 69. Chief economist, Kans. Off. Econ. Anal, 67- Econ. Asn. Regional and urban economic development; inputoutput models; interregional trade flows; population and economic growth; econometric models of subnational economics. Publ: The interindustry structure of the Kansas economy, Kansas, 69; Annual economic report of the governor, State of Kans, 69; co-auth, Toward a dynamic export matrix, Ann. Regional Sci, 69. Address: Dept. of Economics, Kansas State University, Manhattan, Kans. 66502.
- EMERSON, DR. PHILLIP LEE, b. Wilbur, Wash, Feb. 7, 31; m. 67; c. 2. PSYCHOLOGY. B.S. Washington State, 89, M.S. 63, Ph.D. (psychol), 65. Fel. behav. res, ment. health res: inst, Michigan, 65-68; ASST. PROF. PSYCHOL, CLEVELAND STATE, 68-U.S.A.F, 53-58, S/8gt. Sensation and perception; mathematical models; information theory; statistics. Publ: Numerical construction of orthogonal polynomials from a general recurrence formula, Biometrics, 68; Measurement of low signal suppression and other parameters of the forced-choice psychometric function, Perception & Psychophys, 5: 2-6; Simple reaction time with Markovian evolution of Gaussian discriminal processes, Psychometrika, 35: 98-109. Address: Dept. of Psychology, Cleveland State University, Cleveland St
- EMERY, DR. ALAN ROY. Ichthyology, Marine Sciences. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- EMORY, DR. SAMUEL THOMAS. Geography. See A.-K Vol., 11th ed., Soc. & Behav. Vols. New position: Prof., 69-, Dept. of Geography, Mary Washington College, Fredericksburg, Va. 22401.
- ENDLER, DR. NORMAN S(OLOMON). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir, 68-, Graduate Programme in Psychology, York University, Downsview, Ont, Can.
- ENDS, DR. EARL JAMES. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 10001 Farralone Ave, Chatsworth, Calif. 91311.
- ENGEL, DR. JAMES F(RANKLIN). Political Science, International Relations. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. prof. govt, South Dakota, 69-consult. Pan Am. Develop. Corp. Address: Dept. of Government, University of South Dakota, Vermillion, S.Dak. 57069.
- ENGEL, JULIEN, b. Antwerp, Belgium, Sept. 6, 33; U.S. citizen. PUBLIC ADMINISTRATION. B.A, Princeton, 54; M.A, Oxford, 56. Ed. assoc. Intercom, For, Policy Asn, Ny, 59; sr. officer French-speaking Africa, African-Am. Inst, 60-64, dir. African training prog. 64-66; prfml. assoc, Sci. Orgn. Develop. Bd, OFF. FOR. SECY, NAT. ACAD. SCI, 66-68, DEP. DIR, BD. SCI. & TECH. FOR INT. DEVELOP, 68- U.S.A, 56-58. AAAS; African Studies Asn; Int. Studies Asn. Aspects of economic development, particularly technical assistance process, education and training, role of science

and technology, science policy and organization. Publ: Ed, The security of the free world, Wilson, 60. Address: Office of Foreign Secretary, National Academy of Sciences, 2101 Constitution Ave. N.W., Washington, D.C. 20418.

ENGEL, DR. MADELINE HELENA, b. Bronx, N.Y, Feb. 11, 41; m. 70. SO-CIOLOGY. B.A, Barnard Col, 61; M.A, Fordham, 63, Ph.D.(sociol), 66. Instr. SOCIOL, Hunter Col, 64-68; LEHMAN COL, 66-99, ASST. PROF, 69-Res. asst, Fordham, 62-66, res. assoc, 66-, summer instr. 64, 65. Asst. ed, Center Migration Studies, 66-Sociol. Asn. Social etiology of traditional delinquency and drug addiction; inequities faced by minority groups in the United States; international migration. Publ: Inequality in America, Crowell, (in press); co-ed, The Italian experience in the U.S, Center Migration Studies, (in press). Address: Dept. of Sociology, Herbert H. Lehman College, Bronx, N.Y. 10468.

ENGEL, DR. WALBURGA VON RAFFLER. Linguistics. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.

ENGELHARDT, DR. OLGA de CILLIS. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address; 2042 Beechwood Ave, Wilmette, Ill. 60091.

ENGELMANN, PROF. HUGO O(TTO). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Sociology, Northern Illinois University, De Kath, Ill. 60115.

ENGERMAN, DR. STANLEY LEWIS, b. New York, N.Y., Mar. 14, 36; m. 63; c. 2. ECONOMICS, HISTORY. B.S. N.Y. Univ, 56, M.B.A, 58; Ph.D. (econ, Hopkins, 62. Asst. prof. ECON, Yale, 62-63; ROCHESTER, 63-66, ASSOC. PROF. 66- Mem. cooperating col. faculty, center con. ed, State Univ. N.Y. Col. Genesee, 69-; Nat. Sci. Found. sci. faculty fel, Nuffield Col, Oxford, 69-70. Consult, Temporary Cmn. on N.Y. State Constitution, 66. Mem. bd. ed, Explorations in Entrepreneurial Hist, second series, 69- Econ. Asn; Econ. Hist. Asn. Economics of slavery in the American antebellum South; iron industry in the first half of the nineteenth century in the United States. Publ: The economic impact of the Civil War, Explorations in Entrepreneurial Hist, 2nd series, 66; co-auth, A model for the explanation of industrial expansion during the nineteenth century with an application to the American iron industry, J. Polit. Econ, 69; auth, The antebellum South: what probably was and what should have been, 4gr. Hist, 70. Address: Dept. of Economics, University of Rochester, Rochester, N.Y. 14627.

ENGLANDER, PROF. MERYL E(DWIN). Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: R.R. 3, Woodruff Lane, Bloomington, Ind. 47401.

ENGLE, DR. RONALD C(RIM), b. Henderson, Tex, June 18, 36; m. 64; c. 2. SOCIOLOGY, RELIGION. B.A, Texas Christian, 58, M.A, 59, B.D, 63; Ph.D. (sociol), Fla. State, 66. ASST. PROF. SOCIOL, Texas Christian, 66-68; TEXAS, ARLINGTON, 68- Sociol. Asn; Soc. Sci. Study Relig. Sociology of religion; the family; political sociology, Address: Dept. of Sociology, University of Texas at Arlington, Arlington, Tex. 76010.

ENGLER, DR. GEORGE N, b. Los Angeles, Calif, Sept. 27, 44; m. FINANCE, BUSINESS ECONOMICS. B.S, Southern California, 65; M.B.A, California, Los Angeles, 66; Ph.D. (bus. admin), 69. ASST. PROF. finance, Calif. State Col. Long Beach, 68-69; FINANCE & BUS. ECON, SOUTHERN CALIFORNIA, 69- Address: Dept. of Finance & Business Economics, Graduate School of Business Administration, University of Southern California, Los Angeles, Calif. 90007.

ENGLER, PROF. R(OBERT). Political Science. See A-K Vol., 11th ed., Soc. & Behav. Vols. New position & address: Prof. polit. sci, 69-, Graduate Center, City University of New York, N.Y. 10036.

ENGLISH, DR. GEORGE E(LMORE), b. Oglethorpe, Ga, Mar. 26, 35; m. 65; c. 2. PSYCHOLOGY, B.A., Ga. State Col., 62; M.S. Wisconsin, Madison, 65, Ph.D. (clin. psychol), 69. Trainee psychol, Wis. State Dept. Corrections, 64-65; Vet. Admin. Hosp, Tomah, Wis., 65-67; PSYCHOLOGIST, Cent. Wis. Colony, 67-69; NAT. INST. MENT. HEALTH RES. CENTER, 69. U.S.A.F., 56-60. Psychol. Asn. Investigation of personality and treatment of drug abusers; measuring behavior of severely mentally retarded. Publ. Co-auth, The Central Wisconsin Colony scales of adaptive behavior, Wis. Dept. Health & Soc. Serv, 69; co-auth, A factorial study of unstructured ward behavior & A system for the social classification of the more severely mentally retarded, Publ. Central Colonial Colonia

ENGLISH, PROF. HARRY EDWARD, b. Victoria, B.C, Mar. 5, 24; m. 49; c. 4. ECONOMICS, INTERNATIONAL AFFAIRS. B.A, British Columbia, 45; Ph.D. (econ.), California, Berkeley, 5.T. Teaching asst. econ. & statist, California, 45-49; lectr. econ. Carleton (0nt), 49-53, asst. prof. 53-59, assoc. prof. 59-62; dir. res, Can. Trade Cmt, 62-65; PROF. ECON, CARLETON (ONT), 66. DIR. SCH. INT. AFFAIRS, 68-Sey. & dir. res, Private Planning Asn. Can, 63-66. Mem. staff, Royal Cmn. Can. Econ. Prospects, 56; acad. adv. cmt, combined invest. br, Dept. Consumer & Corp. Affairs, 64-Am. Econ. Asn, Can. Econ. Asn. International trade; industrial organization and public policy. Publ: Industrial structure and Canada's international competitive position, 64 & Transatlantic economic community: Canadian perspectives, 68, Private Planning Asn. Can; co-auth, Canadian economics, Carleton University, Rideau River Campus, Colonel By Drive, Ottawa 1, Ont, Can.

ENGLISH, PROF. PAUL WARD, b. Worcester, Mass, Feb. 20, 36; m. 60; c. 2. CULTURAL GEOGRAPHY. B. A., Clark, 57; univ. fel, Hopkins, 57-58; M.A. Wisconsin, Madlson, 59, univ. fel, 60-61, Nat. Acad. Sci.-Nat. Res. Coun. fel, 61-63, Ph.D, 65. Asst, Wisconsin, 58-60; PROF. GEOG. & ASST. DIR. MD. EAST CENTER, TEXAS, AUSTIN, 66- Mem, Nat. Sci. Found. Cmn. Col. Geog. AAAS; Asn. Am. Geog; Nat. Coun. Geog. Ed. Publ: City and Lage in Iran, Univ. Wis, 66. Address: 5017 Placid Place, Austin, Tex. 78731.

ENGLUND, DR. DAVID LOWELL, b. Oak Park, Ill, July 11, 34; m. 59; c. 3. PSYCHOLOGY. B.A, Ohio State, 56; M.A, Hawaii, 65; Ph.D. (psychol), 69. ASST. PROF, HUMAN DEVELOP, PURDUE, 68- U.S.N., 56-60, Lt. Psychol. Asn; Ed. Res. Asn; Soc. Res. Child Develop. Theories of adolescent development; non-verbal behavior; moral development; small group interaction; student unrest; cross-cultural research methods. Publ: Peace Corps training and the American university, Int. Rev. Ed, 65; co-auth, Adolescence in other cultures, Rev. Ed. Res, 66. Address: Dept. of Child Development and Family Life, Purdue University, Lafayette, Ind. 47907.

ENGRAM, DR. WILLIAM C(ARL), b. Frankfort Heights, Ill, Aug. 12, 21; m. 54; c. 3. PSYCHOLOGY. A.B, Washington (St. Louis), 49; M.A, Missouri-Columbia, 51; Ph.D. (psychol), Cornell, 66. Instr. psychol. 6 counselor, Stephens Col., 52-53; from assoc. prof. psychol. to prof. 6 chmn. dept. Lindenwood Col, 53-64; res. assoc. psychol. 6 counselor, Cornell, 64-65; spec. lectr. PSYCHOL, Elmira Col, 66; assoc. prof. State Univ. N.Y. Albary, 66-67; PROF. 6 CHMN. DEPT. ALFRED, 67- Intel. C. U.S.A, 42-46. AAAS; Psychol. Asn. Personality development and functioning; short term psychotherapy, especially rational-emotive psychotherapy. Address: Dept. of Psychology, Alfred University, Alfred, N.Y. 14802.

ENIS, DR. BEN M, b. Baton Rouge, La, Jan. 5, 42; m. 62; c. 1. MARKETING, MANAGEMENT SCIENCE. B.S, La. State, 63, M.B.A, 65, Ph.D.(mkt), 67. Mkt. suprv, South, Bell Tel. & Tel. Co., 64-65; teaching asst. mgt. & statist, La. State, 65-67; asst. prof. MKT, HOUSTON, 67-69, ASSOC. PROF, 69-Mem. faculty, Southwest. Grad. Sch. Banking, 69-Mkt. Asr; Inst. Mgt. Sci. Decision theory; information processing for decision making; consumer behavior; statistical analysis. Publ: Co-auth, Marketing classics, Allyn & Bacon, 69; Marketing decisions: a Bayesian approach, Intext, 71; The marketing research process, Goodyear Pub. 72. Address: Dept. of Marketing, University of Houston, Cullen Blvd, Houston, Tex. 77004.

ENNIS, PROF. ROBERT HUGH. Philosophy of Education. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

ENOCH, DR. J. REX. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Sociology, Memphis State Univ, Memphis, Tenn. 38111.

ENTINGH, DR. DANIEL JAMES, b. Detroit, Mich, Aug. 1, 42; m. 65. PHYS-IOLOGICAL PSYCHOLOGY. S.B, Calvin Col, 64; Nat. Sci. Found. fel, Chicago, 64-68, Ph.D.(biopsychol), 69. ASST. PROF. PSYCHOL, CALVIN COL, 68- AAAS; Psychol. Asn. Neurological bases of information conditioning and storage. Address: Dept. of Psychology, Calvin College, Grand Rapids. Mich. 49506.

ENZER, DR. HYMAN A. Sociology. See A-K Vol, 11th ed. Soc. & Behav. Vols. New information: Also chmn, 69-, Dept. of Sociology, Hofstra University, Hempstead, N.Y. 11550.

EPPS, DR. EDGAR G(USTAVUS). Sociology. See A.-K Vol., 11th ed., Soc. & Behav. Vols. New position & address: Marshall Field IV prof. urban ed. 70-, University of Chicago, Chicago, 111. 60637.

EPSTEIN, PROF. BART J(ACOB). Geography. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address; Prof. 70- Dept. of Geography, Kent State University, Kent, Ohio 44240.

EPSTEIN, DR. CYNTHIA FUCHS, b. New York, N. Y. Nov. 9, 33; m. 54; c. 1. SOCIOLOGY, B.A, Antioch Col., 55; scholar, Chicago, 55-56; M.A. New Sch. Soc. Res, 60; fel, Nat. Insts. Health, 63-66; P.D. (sociol), Columbia, 68. Reporter & ed, Yellow Springs News, Ohio, 53-54; prog. writer & ed, Zionist affairs, Hadassah, 57-60; instr. SOCIOL, Finch Col., 61-67; Barnard Col., Columbia, 67-68; ASST. PROF, QUEENS COL. (N. Y), 68- Manpower Admin, U.S. Dept. Labor grant, 67-69, AASS, Sociol. Asn. Consequences of holding occupational statuses which are culturally defined as being inappropriate because of their statistical infrequency, especially woman in male-dominated professions and black women. Publ: Woman's place: options and limits of professional careers, Univ. Calif., 70; Women lawyers, Univ. Chicago, 70; Encountering the male establishment sex-status limits on women's careers in the professions, Am. J. Sociol, 5/70. Address: Bureau of Applied Social Research, 605 W. 115th St., New York, N.Y. 10025.

EPSTEIN, PROF. EDWIN M(ICHAEL). Business Administration. See A-K Vol., 11th ed., Soc. & Behav. Vols. New position: Assoc. prof. bus. admin. & dir., 69-, Office of Urban Programs, School of Business Administration, University of California, Berkeley, Calif. 94720.

EPSTEIN, DR. LAURENCE B(ERNARD). Military History, International Relations. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

EPSTEIN, PROF. LEON D(AVID). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: No longer dean col. letters & sci, Wisconsin, Madison. Address: Dept. of Political Science, University of Wisconsin, Madison, Wis. 53706.

ERBE, DR. WILLIAM W. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 70-, Dept. of Sociology, University of Illinois at Chicago Circle, Box 4348, Chicago, Ill. 80880.

ERDMANN, DR. JAMES B(ERNARD). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir, 70-, Division of Educational Measurement & Research, Association of American Medical Colleges, One Dupont Circle, N.W., Washington, D.C. 20038.

ERHART, DR. RAINER R. Physical Geography. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

ERICKSON, DR. (WALTER) BRUCE, b. Chicago, Ill, Apr. 3, 38. ECONOMICS B.A, Mich. State, 59, M.A, 60, Ph.D.(econ), 65. Res. assoc, Senate Antitrust Subemt, U.S. Senate, 60-61; asst. prof. econ, Bowling Green State, 64-66;

GOVT. & BUS, MINNESOTA, MINNEAPOLIS, 66-70, ASSOC. PROF, 70-Consult, Attorneys Gen. Mich, Ill, Calif. & Wis. Bleacher antitrust cases, 64-66; Attorneys Gen. Mich, Minn, Iowa, Wis. & Ill. rock salt antitrust cases, 68-69; Ohio Turnpike Cmn. rock salt antitrust cases, 69: Attorneys Gen. Minn, Wis. & Minnesota Consultation of the Consultation of American industrict public policies toward business. Publ. Costs name on American industry; public policies toward business. Publ. Costs name of the Consultation of Public Consultation of Business Administration, University of Minnesota, Minneapolis, Minn. 55455.

ERICKSON, DR. CARL J, b. Fitchburg, Mass, Aug. 25, 37; m. 62; c. 1. PSY-CHOLOGY, ANIMAL BEHAVIOR. A.B, Clark, 59; Harvard, 60-61; Nat. Insts. Health fel, Rutgers, 63-65, Ph. D. (psychol), 65. Nat. Insts. Health fel. zool, Groningen, 65-66; ASST. PROF. PSYCHOL, DUKE, 66- U.S.A.R, 60-66. AAAS, Psychonomic Soc; Animal Behav. Soc. Neural and endocrine basis of social interaction of animals. Publ: Co-auth, Effect of castration of male ring doves upon ovarian activity of females, J. Comp. Physiol. Psychol, 64. Address: Dept. of Psychology, Duke University, Durham, N.C. 27706.

ERICKSON, DR. DUANE EDWARD, b. Fergus Falls, Minn, Dec. 3, 31; m. 53; c. 4. AGRICULTURAL ECONOMICS, ECONOMICS. B. S, N. Dak. State, 53; M. S, Minnesota, St. Paul, 59 P.D. (Agr. econ), 62. Instr. pub. sch. dist, N. Dak, 55-57; res. asst. agr. econ, Minnesota, St. Paul, 57-61, exten. economist & instr. farm mgf, 61-62; asst. prof. FARM MGT, ILLINOIS, UR-BANA, 62-67, ASSOC. PROF, 67-, EXTEN. ECONOMIST, 62- Consult, U.S. Agency Int. Develop, J. Nehru Agr. Univ. India, 68. U.S.A, 53-55, 1st Lt. Agr. Econ. Asn; Soc. Farm Mgr. & Rural Appraisers. Economics of live-stock production systems, especially economics of confinement beef cattle feeding; farm business planning techniques using computer linear programming. Publ; Co-auth, Summary of Illinois farm business records-commercial farms; production costs, income, investments, 8/63 & Making profitable farm business changes through education, 4/67, Univ. Illinois Coop. Exten. Serv; auth, Role of Illinois test demonstration farm program in farm management extension education activities, J. Farm Econ, 12/66. Address: 303 Mumford Hall, University of Illinois, Urbana, Ill. 61801.

ERICKSON, DR. EUGENE C(URTIS), b. Enderlin, N.Dak, Oct. 25, 30; m. 53; c. 5, SOCIOLOGY, B.S., N.Dak, State, 53, M.S., 55; Ph.D. (sociol), Mich. State, 62, Instr. rural sociol, Washington State, 61, 162, asst. prof. sociol, 63-67; ASSOC. PROF. RURAL SOCIOL, CORNELL, 67. Asst. rural sociologist, Washington State, 62-67; vis. prof., W.Pakistan Agr. Univ, 64-66. Consult, west. regional div, Am. Pub. Health Serv, 62-64; mem, Adv. Cmt. for Comprehensive State Wide Planning Voc. Rehab. Serv, 67-69; participant, Sci. & Tech. Seminar, 68. Sociol. Asn. Rural Sociol. Soc; Anthrop. Asn. Soc. Appl. Anthrop. Community and regional development, especially community and regional leadership systems and structure and distribution of power; dynamics of community and regional development and modes of individual and small group decision making. Publ: Co-auth, Institutional and occupational representations in eleven community influence systems, 6/61 & The reputational technique as a measure of community power: an evaluation based on comparative and longitudinal studies, 6/62, Am. Sociol. Rey, auth, Social characteristics of agricultural innovators in two Punjabi villages in West Pakistan, Rural Sociol, 12/67. Address: Dept. of Rural Sociology, Cornell University, Ithaca, N.Y. 14850.

Cornell University, Inlaca, N. I. 19630.

ERICKSON, DR. FREDERICK DAVID, b. Rhinelander, Wis, Nov. 12, 41. ED-UCATION, ANTHROPOLOGY. B.Mus, Northwestern, 63, M.Mus, 64, Ph.D. (ed. admin. & anthrop), 69. Mem. staff appl. anthrop. & ed. Sears-Roebuck YMCA, Chicago, 64-66, ASST. PROF. ED, ILLINOIS, CHICAGO CIRCLE, 68-, DIR. INTER-ETHNIC COMMUN. STUDY PROJ., 70- Res. grants, Stone Found, 64-66, U.S. Olf. Ed., 66-68 & Nat. Inst. Ment. Health, 70-73. Consult race rels. & soc. change, Ill. Cmm. Human Rels, 66-70. Mem. grad. training planning cmt, Coun. Anthrop. & Ed., 70. AAS, Anthrop. Asn; Ed. Res. Asn. Ethnomusicology; urban anthropology and education; ethnic and institutional styles of language, rhetoric, logic, ethnoscience and non-verbal communication. Publ. Discussion behavior in the black ghetto and in white suburbia, Northwestern Univ, 69; Fegt you, honky: a new look at black dialect and the schools, Elem. Eng. 4/69; A new model for urban independent schools, in: New models for public education, Prentice-Hall, 70. Address: College of Education, University of Illinois at Chicago Circle, Box 4348, Chicago, Ill. 60680.

ERICKSON, DR. KENNETH A, b. Portland, Ore, Jan. 22, 34; m. 54; c. 3. GE-OGRAPHY. B.S, Oregon, 56, M.A, 59; Resources for Future fel, California, Berkeley, 62-63, Ph.D. (geog), 65. Planner, Portland City Planning Cmn, Ore, 58-60; asst. prof. Cent. Wash. State Col, 63-66, assoc. prof. 68; Nat. Acad. Sci. foreign field res. lef, Sweden, 66-67; docent, Uppsala, fall 67; ASSOC. PROF. GEOG, COLORADO, 68. U.S.A, 57, Capt. AAAS; Asn. Am. Geog; Am. Geog. Soc; Swedish Soc. Anthrop. & Geog. Address: Dept. of Geography, University of Colorado, Boulder, Colo. 80302.

ERICKSON, ROLAND AXEL. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 11 Skyridge Rd, Greenwich, Conn. 06830.

ERLANDSON, DR. GORDON WHITFIELD, b. Lowry, Minn, Sept. 10, 23; m. 50. ACRICULTURAL ECONOMICS. B.S, Minnesota, 59, M.S, 62, Ph.D. (dairy mkl), 68. Res. asst. AGR. ECON, Minn, 59-55; asst. prof, N.DAK. STATE, 55-69, ASSOC. PROF, 69. Econ. Asn; Agr. Econ. Asn. Fluid milk processing and distributing cost analysis. Address: Dept. of Agricultural Economics, North Dakota State University, Fargo, N.Dak. 58102.

ERLER, DR. RAYMOND L, b. Streator, Ill, Sept. 24, 37; m. 68. ECONOMICS, MANAGEMENT SCIENCE. B.S.M.E, Bradley, 59; M.B.A, California, Los Angeles, 61, M.A, 66, Ph.D. (bus. admin), 69. Res. engr. N.Am. Rockwell Corp, 59-61; assoc. Planning Res. Corp, 61-64, sr. assoc. 64-67; dir. econ. anal, Int. Develop. Corp, Litton Indust, 67-70; BUS. CONSULT, 70- Consult, Rand Corp, 70- Res. engr., California, Los Angeles, 60-61. assoc, sch. bus,

68; asst. prof, sch. bus, San Fernando Valley State Col, 69- Financial and investment analysis. Address: 2415 Nalin Dr, Bel Air, Calif. 90024.

ERLICK, DR. DWIGHT E(DMUND). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dep. chief soc. sci. group, Nat. Bur. Standards, 69- Address: 10104 Little Pond Place, Apt. 4, Gaithersburg, Md. 20780.

ERON, PROF. LEONARD D. Psychology. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Psychology, University of Illinois at Chicago Circle, Chicago, Ill. 60680.

ERSKINE, DR. HELEN, b. Oyen, Alta, Apr. 22, 16. PSYCHOLOGY. B.A, British Columbia, 48. M.A, 50; Ph.D. flumma develop), Chicago, 56. Intern psychol. testing, Jewish Voc. Serv., 56-57; clin. child psychologist, Inst. Juvenile Res, Ill, 57-60; clin. psychologist, Ill. Inst. Tech, 61-63; asst. prof, Brain Damaged Childrens Center, Johns Hopkins Hosp, 63-64; assoc. prof. psychol, Rhode Island, 64-67; dir. Center Develop, Serv-Retardation, D.C. Dept. Health, 67; RES. PSYCHOLOGIST, U.S. DEPT. JUSTICE, 68- Clin. psychologist, Ment. Health Clin, Cary, Jind, 60-61. Leter, exten. dept, Rhode Island, 64-67. Coordinator in serv. training grant & consult. psychol. Joseph E. Ladd Sch, R.I, 64-67. Med.C, Can. Army, 43-46, Lt. Psychol. Asn. Biological correlates of behavior; relationships at the national level among various health, cultural and crime indices. Publ. Basic facts about retardation, State of Rhode Island, 66. Address: S20 N St. S.W, Washington, D.C. 20024.

ERTELL, PROF. MERTON W(ILLIAM). Economics, Industrial Relations. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New position: V.chancellor univ. wide activities, State Univ. N.Y. Albany, 69- Address: 2 Monroe Court, Guilderland, N.Y. 12084.

ERVIN, DR. JEAN CONYERS, b. Morganton, N.C., June 15, 09. SPEECH PATHOLOGY, AUDIOLOGY. B.A. Converse Col., 30; N.C. Sch. for Deaf, 30-31; M.A., Columbia, 42; Ph.D. (speech), Missouri, 50. Teacher, N.C., Sch. for Deaf, 31-32; M.A., Columbia, 42; Ph.D. (speech), Missouri, 50. Teacher, N.C., Sch. for Deaf, 31-32; 44; N.J. Sch. for Deaf, 32-34; Ulta Sch. for Deaf, 32-34; Ulta Sch. for Deaf, 37-41; instr., speech path, & asst. dir., speech & hearing center, 44-46; instr., speech, Hawaii, 64-47; Missouri, 47-50; instr., speech path, Connecticut, 50-51, asst., prof., 51-55, dir., speech & hearing clin, 50-55; suyer, speech & hearing, Arlington County Pub. Schs, V.a, 55-66; lectr., speech path, & audiol, Virginia, 66-67, ASSOC, PROF. SPEECH & DIR. DEAF ED, 67-Assoc, prof. & acting dir. speech & hearing clin, Missouri, 53; assoc, prof., New Haven Teachers Col., 56; lectr, George Washington, 58, Mem, Nat. Conf. on Ed. of Deaf, 67; consult, Va. State Dept. Ed, 68. Speech & Hearing Asn. Programmed instruction in auditory discrimination and in education of hearing impaired, Mark Twain; speechmaker, Publ: Coauth, Guide to better hearing, Conn. State Dept. Ed, 57 & An automated program in speech therapy, manual and tapes, Inst. Mod. Lang, 66; auth, Speech improvement in the elementary schools, Speech Teacher, 58. Address: Dept. of Speech Pathology & Audiology, University of Virginia, Charlottesville, Va. 22903.

ERVIN-TRIPP, PROF. SUSAN, b. Minneapolis, Minn, June 29, 27; m. 64; c. 2. PSYCHOLINGUISTICS. B.A, Vassar Col., 49; Margaret F. Washburn fel. & M.A, Michigan, 50, Soc. Sci. Res. Coun. fels. & Ph.D. (social psychol), 55; summers, Harvard, 50, Ling. Soc. Insts, 53, 54. Study dir, Bur. Soc. Sci. Res, D.C, 51-53; instr. psychol, Harvard Sch. Ed, 55-58; vis. asst. prof, CALIFORNIA, BERKELEY, 58-59, asst. prof. SPEECH, 59-64, assoc. prof, 64-68, PROF, 68- Grants, Nat. Sci. Found, 59-62, Nat. Insts. Health, 59-63; Soc. Sci. Res. Coun. fel, 64-65; Office Ed. contract, 67-68. Mem. socioling. cmt, Soc. Sci. Res. Coun, 66- Psychol. Asn, Ling. Soc. Am. Child language; sociolinguistics. Publ: Imitation and structural change in children's language, New Directions Study Lang, 64; Language development, In: Vol. 2, Review of child development research, Russell Sage, 66; Sociolinguistics, Advances Exp. Social Psychol, 68. Address: Dept. of Rhetoric, University of California, Berkeley, Calif. 94720.

ERYASA, DR. YILMAZ. Anesthesiology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

ESCH, DR. LYND J. Anthropology, Human Engineering. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. dir. adv. marine tech. div, Litton Industs, 69- Address: 4409 Pepperwood Ave, Long Beach, Calif.

ESCHER, PROF. ALBERT J (OSEPH), b. Chicago, Ill, Apr. 23, 10; m. 34; c. 2. ECONOMICS, BUSINESS ADMINISTRATION. B.S.B.A, Northwestern, 46, M.B.A, 53. Bus. mgr, Am. Inst. Baking, 55-60; off. 6 personnel mgr, Parke, Davis & Co, 60-65; ASSOC. PROF. ECON. & BUS. ADMIN, NORTH PARK COL., 65- Lectr, Northwestern, 46-66. Admin. Mgt. Soc. Fringe benefits, their scope, costs, portability and coverage available to dependents upon death of employee; employee motivation. Publ: Making decisions, 63, Effective communications, 64 & co-auth, How 325 companies control their group insurance and pension costs, 67, Darthell Corp. Address: Dept. of Economics, North Park College, Chicago, Ill. 60625.

ESPOSITO, DR. LOUIS, b. Brooklyn, N.Y, Aug. 27, 41; m. 68. ECONOMICS. B.A, St. Peter's Col.(N.J), 63; M.A, Boston Col. 67, Ph.D.(econ), 68. Instr. ECON, MASSACHUSETTS, BOSTON, 67-68, ASST. PROF, 68. Summer consult, U.S. Bur. Budget, 69. Econ. Asn. Health care economics; industrial organization. Address: Dept. of Economics, 100 Arlington St, University of Massachusetts, Boston, Mass. 02116.

ESSEKS, DR. JOHN DIXON, b. New York, N.Y, Dec. 24, 36; m. 63; c. 2. PO-LITICAL SCIENCE. A.B., Oberlin Col., 60; A.M. Harvard, 63, fel, 64-66, Ph.D. (politis, ec), 67. ASST. PROF. POLIT. SCI, Wis. State, Oshokosh, 66-68; NORTHERN ILLINOIS, 68- Polit. Sci. Asn; African Studies Asn; African Law Asn. Am. United States relations with new states of tropical Africa; Soviet-African relations; role of government in economies of developing countries; economic decolonization in Africa. Address: Dept. of Political Science, Northern Illinois University, DeKalb, Ill. 60115.

- ESSER, DR. ARISTIDE HENRI. Psychiatry, Comparative Psychology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- ESTEP, PROF. SAMUEL D. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- ESTES, DR. KATHERINE WALKER. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address; Adj. prof. child develop, 70-, Graduate Center, City University of New York, 33 W. 42nd St, New York, N.Y. 10036.
- ESTES, DR. RALPH W, b. Powell Co, Ky, Aug. 13, 35; m. 61. BUSINESS ADMINISTRATION. B.S, Kentucky, 59. Earhart fel. & M.B. A. 63; Earhart fel. & D.B. A. (act.; econ. anal), Indiana, 67. Sr. acct, Arthur Andersen & Co, 59-62; asst. prof. ACCT. & ECON, TEXAS, ARLINGTON, 66-68, ASSOC. PROF, 68- Summer vis. prof, Northeastern, 69. Am. Acct. Asn; inst. Decision Sci. Social responsibilities of business and puisnessmen; international financial reporting and analysis. Publ: Professional education for the mature accountant, Can. Chartered Acct, 3/68; The accountant's social responsibility, J. Accountancy; A study of the utility of current cost and price-level information, J. Acct. Res, fall 68. Address: School of Business Administration, University of Texas at Arlington, Arlington, Tex. 76010.
- ESTLE, DR. EDWIN F(RANK). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Economist, 69-, New Eng. Tel. Co, 185 Franklin St, Room 1005A, Boston, Mass. 02107.
- ESTUS, DR. CHARLES WILSON. Sociology. See A-K Vol., 11th ed., Soc. & Behav. Vols. New position & address: Asst. prof., 68, Dept. of Sociology, Assumption College, 500 Salisbury St, Worcester, Mass. 01609.
- ETZKORN, PROF. K(LAUS) PETER. Sociology, Ethnomusicology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address; Chmn, 69-, Dept. of Sociology & Anthropology, University of Missouri-St. Louis, St. Louis, Mo. 63121.
- EUBANKS, PROF. CAROLL W, b. Trout, La, Oct. 23, 19; m; c. 3. GUID-ANCE, COUNSELING. B.S. Southwest. La. Inst, 43; B.S. La. State, Baton Rouge, 47, M.S.54, Ph.D. Iguid. & voc. ed), 59. Teacher, high schs, Oregon & La, 47-52; elem. schs, La, 53-57; state dir. guid, Dept. Ed, La, 59-68 & 67-68; coordinator of res, Guif South Res. Inst, Baton Rouge, 66-67; PROF. PSY-CHOL. & HEAD DEPT. PSYCHOL. & COUNSR. ED, NICHOLLS STATE COL., 68- Dir, Inst. Leadership Training for Disadvantaged, 69. U.S.M.C, 43-46. Personnel & Guid. Asn; Nat. Voc. Guid. Asn; Asn. Counsr. Ed. & Supv. Vocational guidance; choice of occupations and the relationship of personality to making adequate choices. Address: Dept. of Psychology & Counselor Education, Nicholls State College, Thibodaux, La. 70301.
- EUBANKS, PROF. CLIFFORD L, b. Manila, Ark, Mar. 15, 38; m. 60; c. 2. MANAGEMENT, ECONOMICS. B.A, Arkansas State, 62; Nat. Defense Ed. Act fel, Arkansas, 62-65, M.B.A, 64, Ph.D. fbus. admin), 67. Mem. staff, Safeway Stores, Inc, Little Rock, Ark, 58-62; asst. prof. MGT. Kansas State, 65-67; PROF. & CHRN. DEPT, MURRAY STATE, 67- Econ. Ed. Found. summer fel, Assocs. Investment Co, Ind, 69. Consuit, Gov. of Kansas, 66. U.S.A.R. 56-63. Acad. Mgt; Econ. Asn. Individual and group behavior. Publ: Co-auth, A study of the Kansas ports of entry system, Kans. Legis. Res. Coun, 67; co-auth, Motivation: key to success, J. Kansas State Univ, 6/67; auth; Training and development needs of employees of Western Kentucky business firms, Bus. Dynamics, Murray State Univ, 12/69. Address: Dept. of Management, Murray State University, Murray, Ky. 42071.
- EUBANKS, PROF. JOHN B. Philosophy, World Religions. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- EVAN, PROF. WILLIAM M. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Correction: Prof. sociol. & indust, 66-, Dept. of Sociology, University of Pennsylvania, Philadelphia, Pa. 19104.
- EVANS, DR. BRIAN M, b. Liverpool, Eng, Mar. 28, 38; Can. citizen. GEOG-RAPHY, HISTORY. B.A, Cambridge, 60, Ph.D. (geog), 66. Lectr. GEOG, United Col., Winnipeg, 63-66; asst. prof. Guelph, 66-68; ASSOC. PROF, WINNIPEG, 68- Asn. Am. Geog; Can. Asn. Geog; Inst. Brit. Geog. Historical demography ano agricultural productivity, especially in Wales. Address: Dept. of Geography, University of Winnipeg, Winnipeg 2, Man, Can.
- EVANS, DR. FRANCIS B, b. Edgerton, Mo, Mar. 15, 35; m. 58; c. 4. EDUCA-TIONAL RESEARCH. B.F.A, New Mexico, 58; M.A, Northern Arizona, 66; Ed.D.(ed. res), New Mexico State, 69; ASST. PROF. ED, WISCONSIN-GREEN BAY, 69 - Ed. Res. Asn. Sociol. Asn. Statistics. Address: Dept. of Education, University of Wisconsin-Green Bay, Green Bay, Wis. 54305.
- EVANS, PROF. FRANKLIN B(ACHELDER). Marketing, Mass Communications. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Medill School of Journalism, Northwestern University, Evanston, III. 60201.
- EVANS, DR. JAMES FREDERICK, b. Lacombe, Alta, Apr. 25, 42; m. 64; c. 3. SOCIAL PSYCHOLOGY. B. A., Alberta, 64, M. A., 66, Ph. D. (psychol), 68. ASST. PROF. PSYCHOL, LAKEHEAD, 68 Am. Psychol. Asn. Can. Psychol. Asn. Social motivation; competition. Publ: Co-auth, Inhibitory effects of post trail stimulation on classical eyelid conditioning under partial reinforcement, Psychonomic Sci, 12/65; co-auth, Familiarization, social facilitation and group discussion effects on risk taking, 4/68 & auth, Components of motivation in a competitive situation, 4/69, Can. Psychologist. Address: Dept. of Psychology, Lakehead University, Thunder Bay, Ont, Can.
- EVANS, PROF. LEE S. Management. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Arapaho Ranch, Eldora, Colo. 80437.
- EVANS, DR. RAND B(OYD). Psychology. See Suppl. V to 11th ed, Phys. &

- EVANS, PROF. RICHARD VIRDIN. Industrial Engineering. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. 69-, Dept. of Business Administration, 350 Commerce West, Urbana, Ill. 61801.
- EVANS, DR. RODNEY E(ARL). Business Administration, Marketing. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address; Assoc. prof, 70-, Dept. of Marketing, University of Oklahoma, Norman, Okla. 73069.
- EVANS, DR. THOMAS RICHARD. Physiological Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- EVERS, PROF. HANS-DIETER. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also assoc. dir. prog. comp. sociol, 69-, Dept. of Sociology, Yale University, New Haven, Conn. 06520.
- EWERS, DR. JOSEPH R. Business Economics, Finance. See A-K Vol, 11th ed, 50c. & Behav. Vols. New position: Pres, Fed. Home Loan Bank of Indianapolis, 69- Address: 121 S. Smith Rd, Bloomington, Ind. 47405.
- EWING, DR. JOHN S. Business Management, Marketing. See A-K Vol. 11th ed, Sod. & Behav. Vols. New information: Vis. prof. 70-, Graduate School of Business, University of Santa Clara, Santa Clara, Calit. 95053.
- EYNON, DR. THOMAS GRANT. Criminology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Center for Study of Crime, Southern Illinois University, Carbondale, Ill. 62901.
- EYRE, DR. LAWRENCE A, b. Leeds, Eng, May 3, 30; m. 52; c. 4. GEOG-RAPHY, ENVIRONMENTAL SCIENCE. B.A, Univ. London, W.I., 61; Commonwealth bursary, Southampton, 62, Dipl. Ed, 63; M.S, West Indies, 67; Ph.D.(geog), Maryland, 69. Cartog, adv, Jamaica Surv. Dept, 56-58; acting lectr. geog. 6 cartog, West Indies, 65-66; instr. GEOG, Maryland, 67-68; ASST. PROF, FLORIDA ATLANTIC, 68- Res. analyst, Arctic Bibliog, Proj. 66-70; cartog, & res. asst, U.S. Nat. Atlas Proj. 67-68. Asn. Am. Geog; Royal Geog. Soc; Jamaica Geog. Soc. Analysis of population and environment systems. Publ: New geography of the Caribbean, George Philip, London, 62, 63 & 66; Geographic aspects of population dynamics in Jamaica. Florida Atlantic Univ. 70; Census analysis and aerial photography, Photogrammetric Eng, 5/70. Address: Dept. of Geography, Florida Atlantic University, Boca Raton, Fla. 33432.
- EZELL, DR. DEE EARL, b. Jena, La, Apr. 27, 22; m. 44; c. 1. MANAGE-MENT. B.S, Texas Christian, 44; A.B, George Washington, 63, M.S, 65; Ph.D. Gub. admin), American Univ, 68. Asst. dir. document pubs. center. Staff & Command Col, Marine Corps Ed. Center, 61-64; marine adv. amphibious warfare, Chief Naval Opers, 64-65; dir. U.S. Marine Corps resactivities, Center Naval Anal, Rochester Univ, 65-68; assoc. prof. manpower mgt, sch. bus. admin, Northeast La. State Col, 68-70, dir. center exec. develop, 69-70; ASSOC. PROF. MGT, COL. BUS. ADMIN, TEXAS TECH, 70-U.S. Dept. Commerce state tech. serv. grant, Seminar Techniques for Increased Exec. Effectiveness, spring 69, Symp. Indust. Mgt. Methodology, spring 70. U.S.M.C, 43-68, Col.(Ret). Opers. Res. Soc. Am: Inst. Mgt. Sci. Acad. Mgt. Decision-making models for planning, directing and controlling operations of complex military operations by utilizing computer programmed simulations; study of leadership and the motivational approaches in the organizing and controlling of manpower and its mobilization for complex undertakings. Publ. Field artillery, 64, co- auth, Amphibian vehicles, 65 & auth, Fire support coordination, 67, Govt. Printing Off. Address: Dept. of Management, College of Business Administration, Texas Tech University, Lubbock, Tex. 79406.

F

- FABIAN, DR. WALTER A(LBERT), JR. Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Prof. psychol. California State Col.(Pa). 69- Address: 2405 Cortland Dr., Pittisburgh, Pa. 15241.
- FABREGA, DR. HORACIO, JR. b. Philadelphia, Pa. 15241.

 PSYCHIATRY, ANTHROPOLOCY. B. A. Pennsylvania, 56: M.D. Columbia, 60. Instr. psychiat, sch. med, Yale, 61-64; asst, Walter Reed Army Med. Center, 64-66; asst, prof, col. med, Baylor, 66-69; ASSOC. PROF. PSYCHIAT. & ANTHROP, MICH. STATE, 69- Asst. internal med, col. med, Howard, 65-66; vis. fel, Univ. Texas, Austin, 66-67. Consult. to cmnr. & bd, Tex. Dept. Ment. Health & Ment. Retardation, 66-67. U.S.A. 64-66, Capt. Psychiat. Asn; Anthrop. Asn; Internan. Soc. Psychol. Behavioral science in medicine; sociocultural facets of psychiatry. Publ: Co-auth. Ethnic differences in psychopathology II. Specific differences with emphasis on a Mexican-American group, J. Psychiat. Res, 68, Value identification and psychiatric disability: an analysis involving Americans of Mexican descent, Behav. Sci, 9/68 & Psychiatric illness in a small Ladino community, Psychiat, 11/68. Address: Dept. of Psychiatry, 308 Linton Hall, Michigan State University, East Lansing, Mich. 48823.
- FABRIKANT, DR. B(ENJAMIN). Clinical Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. psychol. & chma, dept. Fairleigh Dickinson, 69- Address: 18 Chimney Ridge Court, Westwood, N.J. 07875.
- FABRYCY, DR. MARK Z. Economics. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position: Assoc. prof. 69-, Dept. of Economics, New York University, New York, N.Y. 10021.
- FAGAN, PROF. BRIAN M, b. Birmingham, Eng, Aug. 1, 36; m. 69. ANTHRO-POLOGY, ARCHAEOLOGY. B.A, Cambridge, 59, M.A. & Ph.D. (archaeol), 63. Keeper of prehist, Livingstone Mus, Zambia, 59-65; dir. Bantu studies proj, Brit. Inst, Nairobi, 65-66; vis. assoc. prof. ANTHROP, Illinois, Urbana, 66-67; assoc. prof. CALIFORNIA, SANTA BARBARA, 67-69, PROF, 69-Nat. Sci. Found, grants, 68-07. R.N, 54-56, R.N.R, Sub. L. Fel. African Studies Asn; fel. Royal Anthrop. Inst. Gt. Brit. & Ireland; 63, fel. Royal Geog. Soc. Iron age archaeology and history of Eastern, Central and Southern Africa; multi-media teaching systems. Puol: Southern Africa, Praeger,

66; Iron Age cultures in Zambia, Humanities, Vol. 1, 67, Vol. II, 69. Address: Dept. of Anthropology, University of California, Santa Barbara, Calif. 93106.

FAGAN, DR. JOSEPHINE. Philosophy, Psychology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

FAGEN, DR. STANLEY ALAN, b. Brooklyn, N.Y., Nov. 13, 36; m. 62; c. 3. PSYCHOLOGY, EDUCATION. B.S. Brooklyn, Col. 57; M.A. Pennsylvania, 39; Ph.D. (psychol), 63. Staff psychologist, Walter Reed Gen. Hosp, 63.-64, chief child psychologist, 64-68; psychol. training dir, Hillcrest Children's Center & Children's Hosp, D.C., 66-69, RES. DIR. PSYCHOED, HILLCREST CHILDREN'S CENTER, 69- Asst. res. prof. George Washington, 67-, asst. clin. prof, 68-; ad), prof. American Univ, 68- Consult. psychologist, Family Serv. Prince George's Co. Md, 66-; clin. child psychol. consult, Walter Reed Hosp, 69- Med.Serv.C, U.S.A, 61-66, Capt. Psychol. Asn; Coun. Except. Children. Devlopment of self-concept and self-control; deacher training research. Publ. Co-auth, Teaching children self-control, Merrill, 70, impact of father absence in military families, Am. J. Octhopsychiat, 68-69 & Behavior disruption in the classroom, Proc. Children's Hosp. D.C., 69. Address; 1605 Lemontree Lane, Silver Spring, Md. 20904.

FAGEREERG, DR. ELLIOTT P. b. Portland, Ore, May 20, 25; m. 58; c. 1. POLITICAL SCIENCE, SOCIOLOGY. B.A, Washington (Seattle), 50; M.A, Southern California, 55; Ph.D. (polit. sci), Geneva, 66. News correspondent, Geneva, Switz, 56-66; Mershon res. fel. POLIT. SCI, Ohio State, 66-67; asst. prof., Centre Col, 67-68; ASSOC. PROF, AUGUSTA COL, 68- Lectr, Maryland, 63-66. Sig.C. U.S.A, 42-45. Polit. Sci. Asn, Sociol. Asn, int. Polit. Sci. Asn. International politics and organization; interest groups; political sociology. Publ: The "anciens combattants" and French foreign policy, Presses de Savoie, 66. Address: 703 Westminster Court, Augusta, Ga. 30904.

FAGO, DR. GEORGE C, b. Warren, Pa, July 5, 43; m. 67. PSYCHOLOGY. A.B. Franklin & Marshall Col, 65; M.S. Pittsburgh, 67, Ph.D.(psychol), 69. RSS. ASSOC. PSYCHOL, PITTSBURGH, 69. Psychology of learning, particularly discrimination learning and punishment; classical conditioning and the comparative psychology of learning. Address: Dept. of Psychology, University of Pittsburgh, Pittsburgh, Pa. 15213.

FAHS, DR. IVAN JOEL. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Med. sociologist, 69-, College of Medical Sciences, University of Minnesota, Minnespolis, Minn. 55440.

FAILS, DR. EMOL A(TWOOD). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Pres, 68-, Fails Management Institute, P.O. Box 5466, Raleigh, N.C. 27607.

FAIR, DR. DARYL R(USSELL). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. & acting chmn, 70-, Dept. of Political Science, Trenton State College, Trenton, N.J. 08625.

FAIR. DR RAY CLARENCE, b. Fresno, Calif, Oct. 4, 42; m. 63. ECONOMICS. B.A, Fresno State Col, 64; Ph.D. (econ), Mass. Inst. Tech, 68. ASST. PROF. ECON, PRINCETON, 68- Econ. Asn, Statist. Asn. Macro-economic models; economic forecasting; estimation procedures; income distribution; employment demand. Publ: The short-run demand for workers and hours, North-Holland, 69; The estimation of simultaneous equation models with lagged endogenous variables and first order serially correlated errors, Econometrica, 70. Address: Dept. of Economics, Princeton University, Princeton, N.J. 08540.

FAISON, DR. EDMUND W(INSTON) J(ORDON), b. Oct. 13, 26; m. 48; c. 3. MARKETING, PSYCHOLOGY. A.B. George Washington, 48, M.A. 50, Ph.D. (exp. & soc. psychol), 56. Asst, Nat. Res. Coun, 48-50; res. psychologist, U.S. Air Force, 50-54; mgr. exp. lab, Needham, Louis & Brorby, 54-56; acct. exec, Leo Burnett Co, 56-58; pres. Visual Res. Int, 58-62; mkt. specialist, U.S. Agency Int. Develop, Latin Am, 62-68; ASSOC, PROF. MKT, HAWAII. 69-; MKT, DIR, LENNEN & KEWELL, 68- Consult. ed., J. Mkt, 56-60. U.S.N, 44-46; U.S. A.F, 50-54, Ist Lt. Psychol. Asn, Mkt. Asn. Mass communications; advertising; package design; consumer behavior. Publ; Package research: an aid to design, E.I. du Pont de Nemours & Co, 60; Effects of one and two sided arguments on economic behavior, Pub. Opinion Quart, 61; Role of packaging in international advertising, In: International handbook of advertising, McGraw, 64. Address: Dept. of Marketing, University of Hawaii, Honolulu, Hawaii 96822.

FAKOURI, DR. M(OHAMAD) EBRAHIM, b. Kerman, Iran, Aug. 26, 31; m. 66; c. 1. PSYCHOLOGY, EDUCATIONAL PSYCHOLOGY, B. A. Tehran, 55, B. A. 58; M. S. Indiana, Bloomington, 62, Ph. D. (ed. psychol), 64. Instr. psychol, Tehran, 58-60; ASST. PROF. ed. psychol, Miami (Ohio), 64-65; PSYCHOL, Nat. Teachers Col, Iran, 65-66; NDIANA STATE, 66- Psychol. Asn. Statist. Asn. 5d. Res. Asn. Attitude, stitude change; personality and adjustment; mental health; child development; psychological aspects of social issues; psychological statistics. Publ: Psychological needs of critical patients, J. Med. Faculty of Tehran, 10/65; Different views about intelligence, J. Ed. Res. & Studies, 11/67; Dissonance theory: A survey of the literature, Revue de la Faculte des Lettres et des Sciences Humaines, 11/68. Address: 38 w. Lawrin Blvd, Terre Haute, Ind. 47803.

FALCO, DR. MARIA JOSEPHINE, b. Wildwood, N.J., July 7, 32. POLITICAL SCIENCE. A.B., Immaculata Col. (Pa), 54. Fulbright fel, Florence, 54-55; M.A., Fordham, 56; Ph.D. (polit. sci,), Bryn Mawr Col, 63. Instr. Inst. & polit. sci, Immaculata Col, 57-60, asst. prof, 60-63; polit. sci, Washington Col, 63-66; faculty fel, state & local polit, Nat. Center Ed. in Polit, 64-65; res. fel, Yale, 65-66; asst. prof. POLIT. SCI, LE MOYNE COL. (N. Y.), 66-68, ASSOC. PROF. & CHMN. DEPT, 68-Nat. Sci. Found. summer grant, Interuniv. Consortium Polit. Res, Univ. Mich, 68. Polit. Sci. Asn; Acad. Polit. & Soc. Sci. American politics; political theory, especially normative and empirical. Publ: The day the bosses fumbled, In: Readings in American pational government and politics, Prentice-Hall, 66. Address: Dept. of Political Science, Le Moyne College, Syracuse, N.Y. 13214.

FALK, DR. LAURENCE HENRY, b. Ft. Collins, Colo, Mar. 25, 29; m. 62; c. 3. ECONOMICS. B.S.B.A, Denver, 52; Ph.D.(econ), La. State, 69. Res. assoc. water resources, La. State, 65-68, instr. ECON, 68-69; ASST. PROF, RUTGERS, 69- U.S.A, 46-48. Econ. Asn. Industrial inducements; water resources; microeconomic theory. Publ: Co-auth, The measurement and comparison of costs for alternative water replacement projects, 66 & auth, Economic aspects of ground-water basin control, 70, Water Resources Inst, La. State Univ; co-auth, Industrial development bonds as a subsidy to industry, Nat. Tax J, 6/69. Address: Dept. of Economics, Rutgers, The State University, New Brunswick, N.J. 08903.

FALK, DR. MERVYN L, b. Washington, Pa, Oct. 9, 32; m. 56; c. 4. SPEECH PATHOLOGY & CORRECTION. B.A, West Virginia, 55; M.A, Ohio, 56; Ph.D. (speech path), Wayne State, 64. Dir. Hearing, & Speech Center, Greenville, S.C., 56. 57; League for Better Hearing, New Orleans, La, 57.56; educ. WAYNE STATE, 62. 63, asst, prof. speech, 60; ASSOC. FROF. SPEECH & WAYNE STATE, 62. 63, asst, prof. speech, 60; ASSOC. GROF. SPEECH & BORNING CENTER, 69. Consult, Children's Hosp. Mich, 61.; Sinal Hosp. Detroit, 66. Speech & Hearing Asn. Cleft palate speech; school speech correction. Publ: An objective approach to heterogeneous group therapy, J. Commun. Path, 4/68; co-auth, Tongue position and hypermasality in cleft palate speech, 4/68 & auth, Several factors which may precipitate the use of pharyngeal flap, 1/70, Cleft Palate J. Address: Speech & Hearing Center, Wayne State University, 5900 Second Ave, Detroit, Mich. 48202.

FALKENBERG, DR. PHILIPPE R(OY), b. Quebec City, Que, Aug. 25, 34; m. 58; c. 3. EXPERIMENTAL PSYCHOLOGY. B.A, Queen's (Ont), 65; Nat. Def. Ed. Act (el, Duke, 65-66, Nat. Inst. Ment. Health [el, 66-69], Ph.D. Clayer, Ch. Company, Company,

FANG, DR. JEFFREY MING-SHAN, b. Tainan, Taiwan, Sept. 15, 40; m. 70. ECONOMICS. B.A, Taiwan, 62; M.A, Washington (Seattle), 65, Ph.D. (econ), 69. Lectr. ECON. & STATIST, WEST. WASH. STATE COL. 68.69, ASST. PROF. 69- Econ. Asn. Economics of education; the economy of Taiwan. Address: Dept. of Economics, Western Washington State College, Bellingham, Wash. 98225.

FAPOHUNDA, DR. OLANREWAJU JOSEPH, b. Igbaraodo Ekiti, Nigeria, Aug. 4, 34; m. 56; c. 3. ECONOMICS. B.Sc. London, 62; Moscow State, 63.-64; Cologne, 64-65; M.A. Cornell, 67; M.A. N.Y. Univ. 69, Ph.D. (econ), 70. Lectr. econ. geog. Long Island, 69; ASST. PROF. econ. & statist, wellesley Col. 69-70; ECON, IFE, NIGERIA, OCT, 70- Lectr. N.Y. Univ. summer 69. Econ. Asn; Nigerian Econ. Soc. Agricultural labor in developing countries; manpower planning as a means of solving unemployment problems in developing countries. Publ; Current issues and fiscal policy in the United States, Marginal Ties, 65 & The kinked supply of migratory labor in the agriculture of underdeveloped countries, Econ. Develop. & Cultural Change, (in press). Address: Dept. of Economics, University of Ife, Ile-Ife, Nigeria.

FARACE, DR. RICHARD VINCENT, b. Baltimore, Md, Feb. 2, 40; m. 61; c. 2, COMMUNICATION. B.A, Lehigh, 62; M.A, Iowa, 63, Ph.D.(mass commun), 65. Res. asst. mass commun, lowa, 62.-65; instr. COMMUN, MICH. STATE, 65-66, asst. prof., 66-69, ASSOC. PROF, 69- Asn. Ed. in Journalism; Int. Commun. Asn. Communication and national development; organizational communication. Publ: Local news channel predictors in Puerto Rico, J. Quart, 11/68; co-auth, Development patterns in China: 1949-1958, Econ. Develop. Cultural Change, 1/68. Address: Dept. of Communication, Michigan State University, 541 S. Kedzie, East Lansing, Mich. 48823.

FARBER, PROF. MARVIN. Philosophy. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos, Relig. & Law.

FARBERMAN, DR. HARVEY A(LAN), b. New York, N.Y. Oct. 22, 39. SOCI-OLOGY. A.B, Brooklyn Col. 61; Ecole Pratique des Hautes Etudes, Paris, 61-62; Ph.D. (sociol), Minnesota, 68. Instr. SOCIOL, STATE UNIV. N.Y. STONY BROOK, 66-67, ASST. PROF, 67- Consult, Sulfolk County Community Ment. Health Agency, 69- Sociol. Asn; Soc. Study Social Probs. Symbolic interactionist social psychology; urban social psychology; sociology of knowledge; historical development of sociological theory. Publ.: Coauth, Social psychology through symbolic interaction, Blaisdell, 70; co-auth, On the edge of rapprochement: was Durkheim moving toward the perspective of symbolic interaction, 67 & auth, Mannheim, Cooley, and Mead: toward a social theory of mentality, 70, Sociol. Quart. Address: Dept. of Sociology, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.

FARIS, PROF. J(ESSE) EDWIN, JR. Agricultural Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Head, 69-, Dept. of Agricultural Economics, Virginia Polytechnic Institute, Blacksburg, Va. 24061.

FARISH, DR. DONALD JAMES. Zoology, Entomology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

FARLEY, DR. FRANK HOOVER, b. Edmonton, Alta: m. 63. PSYCHOLOGY. B.A., Saskatchewan, 61, M.A. 63; Ph.D. (psychol), 66. Res. asst. psychol, London, 64-68; asst. prof. ED. PSYCHOL, WISCONSIN, MADISON, 66-68, ASSOC. PROF. 68-, PRIN. INVESTR. FSYCHOL. RES, WIS. RES. & DEVELOP. CENTER FOR COGNITIVE LEARNING, 67- Am. Psychol. Asn; Am. Ed. Res. Asn; Can. Psychol. Asn; Psychonomic Soc. Asn. Adv. Dehav. Ther; Brit. Psychol. Soc. Individual differences and personality variables in learning and memory in children and adults; effect of motivational variables and physiological changes on human learning and memory consolidation; cognitive and personality structure and development. Publ: Co-auth, The use of mediators in the learning of verbal paired associates, J. Verbal Learning & Verbal Behav, 64; auth, Individual differences in solution-time in error-free problem solving, Brit. J. Soc. & Clin. Psychol, 66 & Reminiscence, performance and per-

sonality, In: Extraversion-introversion, MacGibbon & Kee, 69. Address: Wisconsin Research & Development Center for Cognitive Learning, University of Wisconsin, 1404 Regent St, Madison, Wis. 53711.

FARLEY, PROF. RAWLE. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New publ: Planning for development in Libya: the exceptional economy in the developing world, Praeger Special Studies, 70; The other Americans: Latin American economic problems in perspective, Harper, 71. Address: Dept. of Economics, State University of New York College at Brockport, Brockport, N.Y. 14420.

FARMER, DR. CHARLES HENRY, b. Littlefield, Tex, July 17, 39; m. 63; c. 1. STATISTICS. B.S, Southwest Texas State, 63; M.A, Texas, Austin, 66, Ph.D. Cimath), 68. Teaching assoc. math, Texas, Austin, 63-67; engr-scientist, Tracor, Tex, 67-68; ASST. PROF. MATH, TULSA, 68-, dir. environ. res. center, 68-70. Math. consult, Ark. Crime Crum. & St. Francis Hosp, Tulsa, 69- U.S.A, 57-60, Sgt. Inst. Math. Statist. Use of operations research in optimum use of water resources; statistical hypothesis testing; digital data transmission. Publ: Almost mixing, 69 & A certain sequence of infinite determinants, 70, J. Math. Anal. & Appli, Entropy of Abelian groups, J. Japanese Math. Soc, 70. Address: 4412 S. Harvard St, Tulsa, Okla. 74135.

FARMER, MALCOLM F(RENCH). Anthropology, Museology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir. bilingual-bicultural progs, Whitter Col, 70 - Address: 6164 Southwind br, Whitter, Calif. 96601.

FARNEN, DR. RUSSELL F. JR. b. New Haven, Conn., Apr. 18, 33; m. 54; c. 3. POLITICAL SCIENCE, EDUCATION. B.S. Cent. Conn. State Col., 56: M.A. George Peabody Col., 57: M.A. Syracuse, 60, Ph.D. (soc. sci.), 63. Asst. ctizenship, Syracuse, 57-60; from instr. to asst. prof. soc. sci. & hist, Florida, 60-64; exam. soc. studies, Ed. Testing Serv, 64-67; ASSCO, PROF. POLIT SCI, GEORGE PEABODY COL., 67- Consult, UN Asn. of U.S., Inc., N.Y., 65-67; div., for. studies, Inst. Int. Studies, U.S. Off. Ed., 67; seminar on int. studies, For. Policy Asn, 68; annual convention & projs, Nat. Coun. Soc. Studies, 69- Chmn, U.S. & Int. Civic Ed. Cmts, Int. Asn. Eval. Ed. Achievement, Stockholm, Sweden, 66- U.S.A, 50-51. Polit. Sci. Asn; Am. Studies Asn; Int. Studies Asn. Comparative and cross national political socialization research; measurement evaluation and behavioral research in political science; civic education in the United States; American government. Publ. Co-auth, Government in our Republic, Macmillan, 71 & Nation wide test scores on international and other social studies material, Ed. Horizons, winter 69; auth, The teaching of government, In: Macmillan encyclopedia of education, Macmillan, 70. Address: Dept. of Political Science, Ed. Macmillan, 70. Address: Dept. of Political Science, Ed. St. 60, George Peabody College For Teachers, Nashville, Tenn. 37203.

FARR, DR. MARSHALL J, b. New York, N.Y, June 1, 28; m. 51; c. 2. PSY-CHOLOGY, B.A, N.Y. Univ, 49; fel, New Sch. Soc. Res, 57-58, M.A, 58, Ph.D. (exp. psychol), 67. Res, psychologist, U.S. Naval Training Device Center, Port Washington, N.Y, 60-62, head mass commun. br, 62-64; asst. head eng, psychol, OFF, NAVAL RES, DEPT, NAVY, D.C, 64-69, ASSOC. DIR. PERSONNEL & TRAINING RES. PROGS, 69- Instr, Fairleigh Dickinson, 60-61. Psychol. Asn; Human Factors Soc; Interam. Soc. Psychol. Training methods and devices; instructional technology; learning theory; human motivation; human memory; human-factors engineering, Publ: Coauth, Current status and future trends in engineering psychology, Psychol. Res, in Nat. Defense Today, 6/67. Address: Office of Naval Research, Code 458, 800 N. Quincy St, Arlington, Va. 22217.

FARRALL, PROF. CLAYTON GRIEG, b. Boston, Mass, Feb. 27, 26; m. 55; c. 3. PSYCHOLOGY, EDUCATION. A.B. Syracuse, 50, M.B.A, 52, M.S. 55, fel, 59, Ph.D.(ed), 65. Psychologist, Onondaga County Bd. Coop. Ed. Serv, 55-59; consult, bur. sch. serv, Syracuse, 59-61; psychologist, Fayette-Manlius Cent. Sch. Syst, 61-66; PROF. ED, STATE UNIV. N.Y. COL. POTS-DAM, 66- Elem. & Sec. Ed. Act grants, 67-69; N.Y. State Ed. Dept. teacher-inserv. training grants, 69-71; summers, N.Y. State Res. Found. faculty fels, 67, 70. U.S.N., 44-46. Psychol. Asn; Ed. Res. Asn. Developing creative thinking process; teacher-pupil interaction. Publ: Pupil adjustment as related to sex of pupil and sex of teacher, Psychol. in Schs, 10/68. Address: Dept. of Education, Congdon Campus School, State University of New York College at Potsdam, Potsdam, N.Y. 13676.

FARRELL, DR. KENNETH R(OYDEN). Agricultural Economics, Marketing. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. adminstr, 68-, Economic Research Service, U.S. Dept. of Agriculture, Washington, D.C. 2025.

FARRELL, DR. WARREN S(TANLEY), b. Chicago, Ill, Oct. 13, 40. AGRI-CULTURAL ECONOMICS. B.S, Calif. State Polytech. Col., San Luis Oblispo, 63; M.S, California, Davis, 64, fel, 64-65, Ph.D. (agr., econ.), 68. Asst. prof. AGR. MGT, CALIF. STATE POLYTECH. COL., SAN LUIS OBISPO, 67-69, ASSOC. PROF. 70. Land resource economics; rural-urban development; production economics; business operations analysis. Address: Dept. of Agricultural Management, California State Polytechnic College, San Luis Obispo, Calif. 93402.

FARRISH, DR. RAYMOND (O'CONNOR) PAUL, b. New York, N.Y., Apr. 13, 13; m. 54; c. 4. AGRICULTURAL ECONOMICS. B.S., Cornell, 52; M.S. Connecticut, 57, Ph.O. (agr. econ), 60. Asst. agr. econ, Connecticut, 94-56, asst. prof., 59-61; coop. agent, Univ. Connecticut & U.S. Dept. Agr., 56-58; agr. economist, U.S. Dept. Agr., 61-63; Univ. Arizona, 63-66; ASSOC. PROF. AGR. ECON, CONNECTICUT, 66-Consult, study of food mits. syst. in Santo Domingo, Dominican Repub, funded by Org. of Am. States, 66. U.S.A, 52-54, 1st Lt. Agr. Econ. Asn. Domestic and foreign agricultural policy. Address: Dept. of Agricultural Economics, University of Connecticut, Storrs, Conn. 6268.

FAULES, DR. DON F. Behavioral Communication. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

FAULK, DR. ELIZABETH HAMMOND. Psychology. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New information: Pres, Psychol. & Consult. Serv, Inc, 69- Address: 3011 N. Halifax Dr. Daytona Beach, Fla. & 2018.

FAULKENBERRY, DR. G(ERALD) DAVID. Statistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Supvr, statist. group, 69-, Litton Scientific Support Laboratory, Ft. Ord, Calif. 93941.

FAUSOLD, PROF. MARTIN L. Political History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

FAW, DR. TERRY T. b. San Diego, Calif. Apr. 24, 43; m. 63. PSYCHOLOGY, B.S. Lewis & Clark Col., 65; Nat. Defense Ed. Act fel, Vanderbilt, 65-68, M.A., 67, Nat. Inst. Ment. Health fel, 68-69, Ph.D. (psychol.), 69. ASST. PROF. PSYCHOL, CALIFORNIA, LOS ANOELES, 69. Psychol. Asn; Soc. Res. Child Develop. Development of patterns of visual selective attention in humans; relationship of attention to problems of learning and education. Publ: Co-auth, The acquisition of conditioned reward value in discrimination learning, Child Develop, 3/68, The influence of stimulus uncertainty and experimental instructions on visual selection, Perception & Psychophys, 69 & Effect of degrees of incongruity on visual fixations in children and adults, J. Exp. Psychol, 8/69. Address: Dept. of Psychology, University of California, 405 Hilgard, Los Angeles, Calif. 90024.

FAWCETT, DR. JAMES T(HOMAS), b. Pittsburgh, Pa, Aug. 16, 35; m. 63; c. 1. PSYCHOLOGY, B.S, Pa. State, 60; Nat. Sci. Found. fel. & M.S., Yale, 61; U.S. Pub. Health Serv. fel. & Ph.D. (psychol), California, Berkeley, 65. Selection officer, U.S. Peace Corps, 61-62; assoc. res. scientist, Am. Inst. Res, 63-64; STAFF ASSOC, POP. COUN, 65- U.S.A.F, 54-58, S/Sgt. Psychol. Ass; Pop. Asn. Am. Applications of psychology to population; research in family planning; culture and personality. Publ: Chap, in: Communications aspects of family planning progs, UN, 68; co-auth. Chap, in: International postpartum family planning program, McGraw, 70; auth, Psychology and population, Pop. Coun, 70. Address: The Population Council, 245 Park Ave, New York, N.Y. 10017.

FAWL, PROF. CLIFFORD LEROY. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychol. & chmn, 69-, Division of Social Sciences, Nebraska Wesleyan University, Lincoln, Nebr. 68504.

FECHTER, ALAN EDWARD, b. New York, N.Y, Oct. 19, 34; m; c. 3. ECO-NOMICS. B.B.A, City Col. New York, 58; A.M. Chicago, 62. Asst. prof. econ, Pittsburgh, 62-64; ECONOMIST, PROG. ANAL. DIV, INST. DEFENSE ANAL, 64- U.S.A, 54-56. Econ. Asn. Labor market theory; military manpower; economics of education; population. Publ.: The supply of first-term military officers, Inst. for Defense Anal, 67; co-auth, Metropolitan area intercountry migration rates, Indust. & Labor Rels. Rev. J/66 & The supply of military personnel in the absence of a draft, Am. Econ. Rev., 5/67. Address: Program Analysis Division, Institute for Defense Analyses, 400 Army-Navy Dr, Arlington, Va. 22202.

FEDDERSEN, DONLEY F. Radio-Television, Speech. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

FEDERER, DR. MIRLEN DALE, b. Apr. 26, 29; U.S. citizen; m; c. 4. COUN-SELING. B.S, Wyoming, 51, M.Ed, 61, Ph.D. (counseling), 62. Asst. prof. counsr. ed, Wyoming, 62-63; lectr. (colorado, 63; ASSOC. PROF. COUNSR. ED. & PSYCHOL, CALIF. STATE POLYTECH. COL, SAN LUIS OBISPO. 63- Consult, San Luis Obispo County Schs, 64-67; Kern County & Passo Robles Schs, 69-70. U.S.A, 1st Lt. Psychol. Asn. Mental health; testing. Publ: Who needs counselors?, 66 & co-auth, Investigative techniques, 68, Calif. State Polytech. Col. Address: 10 Squire Rd, San Luis Obispo, Calif. 93401

FEDERICO, DR. RONALD CHARLES, b. New York, N. Y. Jan. 9, 41; m. 69; c. 2. SOCIOLOGY. B. A. Yale, 62; M.S.W., Michigan, 64; Ph.D. (sociol), Northwestern, 68. ASST. PROF. SOCIOL, MARYLAND, 67. Faculty iel, Wash. Center Metrop. Studies, 68; lectr. Rosemont Col. 69. Sociol. Asn. Nat. Asn. Soc. Workers; Coun. Soc. Work Ed. Sociology of art; social factors in transportation planning; variables in planning for and providing social welfare services. Publ. Total transportation as a social concept, Proc. Ann. Soc. Mech. Engr. 1/08. Address: College of A. de Leicnees, Dept. of Sociology, University of Maryland, College Park, Md. 20142.

FEDERSPIEL, DR. HOWARD M, b. Springville, N.Y. Mar. 10, 32; m. 57; c. 2. POLITICAL SCIENCE, ISLAMIC STUDIES. B.A, Capital IUW, 54; Ohio State, 55; M.A, McGill, 61, Ph.D. (Islamic studies), 66. Res. specialist, Burntel. & Res. J. Springer, 150; Dept. 100; Branch M. 18; A. 18; E. 18;

FEE, DR. JAMES V(INCENT), b. Cut Bank, Mont, Dec. 22, 27; m. 51; c. 2. COMMUNICATIONS, PSYCHOLOGY. B.S.Ed, Southern Illinois, 54, M.S.Ed, 55; Ph.D. (speech), Ohio State, 64. Lectr. SPEECH, Southern Illinois, 56-59; asst. prof, Murray State, 61-63, assoc. prof, 64-65, prof, 66-67; ASSOC. PROF, AKRON, 67 U.S.A.F, 50-51, Res, 51-55, Sygt. Speech Asn. Am; Nat. Soc. Study Commun. Psycholinguistics; experimental phonetics; industrial communication; communication theories. Publ. Books: a representative interdisciplinary library..., Cent. States Speech J, 61; J. Albert Tracy: a man-an idea, Undergrad. Speech Interest Group Newsletter, 5/62. Address: Dept. of Speech, University of Akron, Akron, Ohio 44304.

FEFFERMAN, DR. ARTHUR STANLEY. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chief economist, Joint Committee on Internal Revenue Taxation, U.S. Congress, 69- Address: 9006 Linton St, Silver Spring, Md. 20901.

- FEIMI. DR. LESTER GEORGE, b. Philadelphia, Pa, Apr. 23, 34; m. 60; c. 2. PHYSIOLOGICAL PSYCHOLOGY B. A., San Jose State Col, 61; M.A., California, Los Angues, 65; Ph. D. (psychology, Green, analyst electronics, Dr. California, Los Angues, 65; Ph. D. (psychology, Green, analyst electronics, Psychology, Chem. 1998; Phys. C. Chem. 1998; Phys. C. Chem. 1998; Phys. C. Chem. 1998; Phys. California, Los Angeles, 66; 67; Paratin aid, res. found, State Univ. N. Y, 67; 69; Nat. Inst. Ment. Health biomed. grant, 66; 69; Stanford-Ames summer faculty fel, NASA, 68; 69; U.S.A., 54; 58. AAS; Psychol. Asn. Information processing in the central nervous system; physiological correlates of perception; the autoregulation and awareness of internal states through physiological feed back; consciousness. Publ: Co-auth, The electrophysiological correlates of perceptual masking in monkeys; Pstroactive visual masking, Physiol. & Behav, 4: 255-259 & Discrimination among temporal patterns of stimulation in a computer model of a coelenterate nerve net, Kybernetik Marz, Band 3: 240-249. Address: Dept. of Psychology, State University of New York at Stony Brook, N.Y. 11790.
- FEIN, PROF. ALBERT. American History. See 5th ed, Dir. Am. Scholars,
- FEIN, DR. LEAH GOLD. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Staff psychologist, 68-, Bureau of Child Guidance, Board of Education, City of New York, Public School 86, W. 195th St. & Reservoir Ave, Bronx, N.Y. 10468.
- FEIN, DR. LEONARD J. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, Florence Heller School, Brandeis, 70- Address: 149 Buckminster Rd, Brookline, Mass. 02146.
- FEIN, DR. RASHI. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. econ. of med, 68-, Dept. of Economics, Harvard University, 25 Shattuck St, Boston, Mass. 02115.
- FEINBAUM, DR. ROBERT, b. New York, N.Y, Apr. 15, 39; m. 59; c. 2. SO-CIOLOGY B.S, Mass. Inst. Tech, 60; M.A, California, 63, Ph.D. (sociol), 67. Legis. intern, State Assembly, 63-64, spec. consult, cmt. pub. health, 64; lectr. SOCIOL, San Francisco State Col, 66-67; ASST. PROF, SANTA CLARA, 67-Sociol. Asn. Political and urban sociology; sociology of education. Address: Dept. of Sociology, University of Santa Clara, Santa Clara, Calif 49553.
- PEINBERG, DR. ALLEN MARK, b. New York, N.Y, Sept. 23, 37; m. 59; c. 2. FSYCHOLOGY. B.A, Brandeis, 59; M.A, New Sch. Soc. Res, 61; U.S. Pub. Health Serv. (elf, Fla. State, 62-66, Ph.D. (clin. psychol), 66. Fel. psychol, SCH. MED. NORTH CAROLINA, CHAPFL HILL, 68-67, asst. prof. 67-68, ASST. PROF. PSYCHOL. & CHEF FSYCHOLOGIST ADULT CLIN, 68-Consult, Stanly County Ment. Health Center, 65-; consult. & coordinator, Roanoke Chowan Ment. Health Serv, 67-AAAS; Psychol. Asn. Effects of ionizing radiation on behavior; behavior therapy; conditioning approaches as psychotherapy. Address: Dept. of Psychiatry, University of North Carolina Medical School, Chapel Hill, N.C. 27515.
- FEINBERG, DR. BARBARA SILBERDICK, b. New York, N.Y. June 1, 38; m. 68; c. 1. POLITICAL SCIENCE, PHILGOPHY. B. A., Wellesley Col., 59; M.A. Yale, 60, Ph.D., Polit. sci), 63. Lectr. polit. sci, City Col. New York, 63. 64, instr., 64. 67; vis. lectr., Brooklyn Col., 67. 68; asst. prof. Seton Hall, 68. 70. Polit. Sci. Asn; Soc. Polit. & Legal Philos. Political philosophy. Publ. Political thought of Oliver Cromwell: revolutionary or conservative, Soc. Res., all 66. Creativity & the political community: the role of the law-giver in the thought of Plato, Machavelli and Rousseau, West. Polit. Quart, fall 10. Address: 535 E. 66th St, New York, N.Y. 10026.
- FEINLEIB, DR. SIDNEY. Physical Chemistry. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- FEINN, DR. BARBARA ANN. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Sr. coun. economist, Gov. Coun. Econ. Adv. N.Y, 69-Address; 200 E. 66th St, New York, N.Y. 10021.
- FEINSTEIN, DR. HERBERT CHARLES VERSCHLEISSER. English, Mass Media of Communications. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- FEINSTEIN, DR. HOWARD M, b. New York, N.Y., Aug. 30, 29; m. 56; c. 3. PSYCHIATRY, AMERICAN INTELLECTUAL HISTORY, A.B. Cornell, 51, M.D. 55, hist, 66. Intern, Buffalo Gen. Hosp, N.Y., 55-56; res, psychiatrist, west. div, N.Y. Hosp, 56-57; Mass. Ment. Health Center, 59-61; psychiatrist, private practice, 61; c.i.n. instr., psychiat, State Univ. N.Y. Upstate Med. Center, 63-64; Josiah Macy, Jr. scholar, hist, of med. & biol. sci, 67-69. Dipl, Am. Bd. Psychiat & Neurol, 63. Med. C. U.S., 45-759, Capt. Am. Med. Asn; Group Psychother. Asn; Am. Studies Asn. Group dynamics; applications of small group techniques to study of history; applications of psychology to history; William James on the emotions, J. Hist. Ideas, 1-3/70 & The prepared heart, Puritan theology and psychoanalysis, Am. Quart, 5/70. Address: 206 Hanshaw Rd, Ithaca, N.Y.
- FEINSTEIN, DR. OTTO, b. Vienna, Austria, May 18, 30; U.S. citizen; m. 61. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. B.A, Chicago, 50, Ph.D. (int. rels, polit. sci), 65; Lic, Grad. Inst. Int. Studies, Geneva, 53. ASSOC. PROF. SCI. OF SOC, MONTEITH COL, WAYNE STATE, 60- U.S.A, 53-55. Economics; social science; Latin America; education. Publ. Politics and political theory in Latin America, Doubleday, 70; Higher education in United States; economics, quality and personalism & co-auth, Higher education in Europe, Heath, 70. Address: 667 W. Hancock, Apt. 206, Detroit, Mich. 46221.
- FEIS, PROF, CLAYTON D, b. Bladen, Nebr, Jan. 20, 20; m. 52; c. 8. ECO-NOMICS, BUSINESS ADMINISTRATION. A.B, Hastings Col, 51; M.B.A,

- Denver, 52; summers, Nebraska, 56, 57, 58, Iowa, 59. Prin, Dorchester Pub, Schs, 53-57; head dept, bus, admin. & econ, Westmar Col., 57-63; ASSOC, PROF. BUS, ADMIN. & ECON, & HEAD DEPT, NEBR. WESLEYAN, 63. U.S.A.A.F., 40-43, T/Sgt. Econ, Asn. Address: Dept. of Business Administration & Economics, Nebraska Wesleyan University, Lincoln, Nebr. 68504.
- FEIWEL, PROF. GEORGE RICHARD. Economics. See A.-K Vol., 11th ed, Soc. & Behav. Vols. New information: Guggenheim fel, 69-70. Address: Dept. of Economics, University of Tennessee, Knoxville, Tenn. 37916.
- FELD, DR. RICHARD DENNIS. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 5606 Bissonnet, Apt. 2, Houston, Tex. 77036.
- FELDMAN, DR. HERMAN. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychol, indiana, Northwest Campus, 69- Address: 8140 Lakewood Ave, Gary, ind. 46403.
- FELDMAN, DR. IRVING S. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 25 Mitchell Dr, Toms River, N.J. 08753.
- FELDMAN, DR. KENNETH A. Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Sociology, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.
- FELDMAN, DR. REYNOLD. English & Indonesian Studies. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- FELDMAN, DR. SAUL. Administration. See A-K Vol., 11th ed., Soc. & Behav. Vols. New position: Assoc. dfr. community ment. health serv., div. ment. health serv. progs, Nat. Inst. Ment. Health, 69- Address: 4701 Willard Ave, Chevy Chase, Md. 20015.
- FELDMAN, DR. SHEL (DON), b. Chicago, Ill, Oct. 5, 36; m. 58; c. 1. SO-CIAL PSYCHOLOGY. B.A, Northwestern, 57; Ph.D. (psychol), Yale, 62. Res. asst. FSYCHOL, Northwestern, 55-57; Yale, 57-60; res. trainee, Vet. Admin. Hosp, West Haven, Com., 60-61; res. assoc, Illinois, 61, res. asst. prof., 62-64; Pennsylvania, 64-68; ASSOC. PROF. SWARTHMORE, 68. Teacher, Dartmouth, summers 66, 67; night sch, Temple, 69; vis. scientist, Am. Psychol. Asn, 69. Consult, Assoc. for Res. in Behay, 64; Dupont, 69. AAAS; Psychol. Asn; Fedn. Am. Scientist; Soc. Psychol. Study Social Issues; Soc. Exp. Soc. Psychol; Int. Peace Res. Soc. Models of attitude formation and change, especially impressions of others, and political issues; affective aspects of word meaning; role of psychologists in solving international tension. Address: Dept. of Psychology, Swarthmore College, Swarthmore, Pa. 19631.
- FELDMANN, DR. SHIRLEY C(LARK). Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 3333 Henry Hudson Pkwy, Bronx, N.Y. 10463.
- FELDMESSER, DR. ROBERT A(LLEN). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Res. sociologist, 69-, Division of Educational Studies, Educational Testing Service, Princeton, N.J. 08540.
- FELKENES, DR. GEORGE T, b. Dayton, Ohio, Nov. 19, 30; m. 61. CRIMI-NOLOGY, LAW. B.S. Maryland, 61, J.D. 61; M.A. Calif. State Col. Long Beach, 66; D. Crim, California, Berkeley, 70. ASSOC. PROF. CRIMINOL, CALIF. STATE COL. LONG BEACH, 64-, CHMN. DEPT, 68- Res. assoc, Off. Law Enforcement Assistance, Wash, D.C., 69-67; State Criminal Procedure Cmt, Calif., 67-68; Inst. Police Studies, Calif. State Col. Long Beach, 67- Consult, McGraw-Hill Publishers, 67-; Calif. Peace Officers Cmn, 68-69. U.S.A, 51-57, 1st Lt. Bar Ass.; Polit. Sci. Assi; Soc. Criminol; Int. Asn. Chiefs Police. Publ: Co-auth, Law enforcement: a selected annotated and general bibliography, 68 & New dimensions in criminal justice, 68, Scarecrow; auth, Legal status of aircraft as an aid to law enforcement, S.Dak. Law Rev, 5/68. Address: Dept. of Criminology, California State College at Long Beach, Long Beach, Calif. 90801.
- FELLER, DR. IRWIN. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also prog. dir. 69-, Center for the Study of Science Policy, Pennsylvania State University, University Park, Pa. 18602.
- FELLMAN, DR. GORDON A, b. Omaha, Nebr, May 10, 34. SOCIOLOGY. B.A. Antioch, 57: Woodrow Wilson fel, Harvard, 57-58, Soc. Sci. Res. Cou. let, 58-60, Robert Treat Paine fel, 62-63, Ph.D. (sociol), 64. Lectr. soc. rels, Harvard, 63-64; asst. prof. SOCIOL, BRANDEIS, 64-70, ASSOC. PROF. 70- Codir, Urban Planning Aid, Inc. an advocacy planning org, Cambridge, Mass, 66-; U.S. Dept. Housing & Urban Develop. Off. Urban Tech. & Res. grant, 67-68. Consult, Interuniv. Eval. Cmt, Boston, Mass, 67. Sociol. Asn; Asn. Asian Studies. Social psychology; psychoanalysis and society; Indian democratic socialism; urban change and social protest; social stratification. Publ: Coauth, Violence: biological need and social control, Soc. Forces, 6/67; auth, Neighborhood protest of an urban highway, J. Am. Inst. Planners, 3/69 & co-auth, Social costs of an urban highway, Tans. Action, (in press). Address: Dept. of Sociology, Brandeis University, Waltham, Mass. 02154.
- FELSENBURG, DR. GERTRUD K. Psychology. See A-K Vol, 11th ed. Soc. & Behav. Vols. Correction: Psychologist-soc. worker, Denver Children's Home, 67- Address: 1056 Kearney St, Denver, Colo. 80220.
- FELTON, DR. WILLIAM SIDNEY, JR. Sociology, Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. 70-, Dept. of Sociology, Keene State College, Keene, N.H. 63431.
- FELZER, DR. STANTON B(ERNARD). Psychology. See A-K Vol, 11th ed., Soc. & Behav. Vols. New position: V.pres, Harry J. Woehr & Assocs, Management & Consulting Psychologists, Phila, 69- Address: 340 Ainslie Rd, Huntingdon Valley, Pa. 19006.

- FENKER, DR. RICHARD MATHES, JR, b. Nashville, Tenn, May 22, 42. PSY-CHOLOGY, STATISTICS. B.S, Case Inst. Tech, 64; M.S, Purdue, 67, Nat. Defense Ed. Act fel, 67-69, Ph.D.(spx), chol. 69. ASST. PROF. PSYCHOL, TEXAS CHRISTIAN, 68- AAAS. Perception; multivariate statistics; mathematical models of perceptual or cognitive processes; cognitive geometry. Publ: Co-auth, Multivariate analysis, object perception and dimensional limitation, Multivariate Behav. Res, 8/69. Address: Dept. of Psychology, Texas Christian University, Ft. Worth, Tex. 76129.
- FENNESSEY, DR. JAMES J(OSEPH), b. Boston, Mass, June 11, 41; m. 64. SOCIOLOGY. A. B. Holy Cross Col, 63; M.A. Chicago, 67; Ph.D.(soc. rels), Hopkins, 70. ASST. PROF. SOCIOL, CHICAGO, 68- Sociol. Asn; Psychomet. Soc. Sociology of education; statistical methods of data analysis. Publ: The general linear model, Am. J. Sociol, 68. Address: Dept. of Sociology, University of Chicago, Chicago, III. 60637.
- FENSCH, PROF. EDWIN A, b. Mansfield, Ohio, Aug. 16, 03; m. 38, 67; c. 2. PSYCHOLOGY. A. B, Ashland Col, 33; M.A, Ohio State, 38, Ph.D.(ed), 42. Teacher, city schs, Mansfield, Ohio, 33, 42, dir. res, 42-55, ast. supt, 55-68; PROF. PSYCHOL, ASHLAND COL, 68-Instr. Ashland Col, 45-67. A critical study of Negro students in the junior high school. Address: Dept. of Psychology, Ashland College, Ashland, Ohio 44805.
- FENTON, SISTER HELEN M, C.S.J, b. New Bedford, Mass, July 17, 21. ECONOMICS. B.S. in Bus. Admin, Boston, 46, M.C.S, 50; M.A, Boston Col, 66. Teacher, parochial sch, Mass, 40-43; instr. bus, REGIS COL, 46, asst. prof, 64, ASSOC. PROF. ECON, 64- Econ. Asn; Econ. Hist. Asn. International economics; Soviet-Latin American economic either scheme scheme for private foreign aid by United States citizens and institutions to Latin American developing nations. Address: Dept. of Economics, Regis College, Weston, Mass. 02193.
- FENTON, DR. NORMAN. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 3238 Taylor Rd, Carmel, Calif. 93921.
- FENTRESS, DR. JOHN CARROLL, b. East Chicago, Ind, Feb. 4, 39; m. 68. BEHAVIORAL BIOLOGY. B.A, Amherst Col, 61; Nat. Sci. Found. fel, Cambridge, 61-65, Ph.D. (animal behavior), 65. Nat. Inst. Health fel. neurophys-CHOL, OREGON, 67. AAS. Development and programming of PS of PS of CHOL, OREGON, 67. AAS. Development and programming behavior genetics. Publ. CO-auth, Profracted tetanization of the optic tract in squirrel monkeys, Fedn. Proc., 66; auth, Observations on the behavioral development of a hand-reard male timber wolf, Am. Zoologist, 67; Interrupted on going behavior in two species of vole microtus agrestis and Clethrionomys britannicus: I and IJ, Animal Behav, 68. Address: Dept. of Psychology, University of Oregon, Eugene, Ore. 94703.
- FENWICK, DR. CHARLES A, b. Indianapolis, Ind, Apr. 13, 36; m. 69. HUMAN FACTORS ENGINEERING, INDUSTRIAL PSYCHOLOGY. B.S. Purdue, 58, univ. fel, 58-59, M.S. 69, Nat. Sci. Found. fels, 59-61, Ph.D. [eng. psychol), 61. Staff psycholgist, COLLINS RADIO CO, 61-63, sr. tech. staff, 63-66, HEAD ADV. DISPLAY STUDIES, 68-Human Factors Soc; Psychol. Asm, Soc. Eng. Psychol. Development and validation of conceptual models of, and equipment which will factilitate, the real-time interactions of human operators and complex, dynamic systems of which they are a component. Publ: Development of a peripheral vision command indicator for instrument flight, Human Factors, 4/63; Evaluation of multi-channel navigational displays, Navigation, spring 66; New ockpit control and display techniques—what can they do for the Pilot?, Soc. Automotive Engrs, 4/68. Address: Mail Station 106-21; Collins Radio Co, 5200 C Ave. N.E., Cedar Rapids, Jowa 52406.
- FERBER, DR. ROMAN, b. Krakow, Poland, Jan. 25, 33; U.S. citizen; m. 61; c. 2. URBAN PLANNING, PUBLIC ADMINISTRATION. A.B, Hunter Col, 58; M.P.A, N.Y. Univ, 59, Ph.D.(pub. admin), 65. Assoc. prof. urban polit, N.Y. Univ, 61-68; dept. dir, Off. Comp. Planning, New York Community Renewal Prog. 67-69; DR. ADMIN, CITY PLANNING CMN, New YORK, 69-Lectr, Baruch Col, 65- U.S.A, 63-65. Inst. Planners; Polit. Sci. Asn; Soc. Pub. Admin. Public administration and its relationship to urban planning; transportation and metropolitan planning; political science. Publ: Co-auth, Port of New York and the management of its waterfront, N.Y. Univ, 59. Address: 5 Iroquois Trail, Monsey, N.Y. 10952.
- FERGUSON, DR. ALLEN RICHMOND. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. policy res, Planning Res. Corp, 69-Address: 7902 Park Overlook Dr. Bethesda, Md. 20036.
- FERGUSON, DR. CHARLES A(LBERT). Linguistics. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.
- FERGUSON, PROF. CHARLES E. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 68-, Dept. of Economics, Texas A&M University, College Station, Tex. 77843.
- FERGUSON, DR. DONALD C(HARLES). Medical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: On assignment as chief of party (resident adminstr), Johns Hopkins Center for Rural Medicine & Family Planning, Delhi, 70- Address: Delhi LD/HFP (Narangwal), Dept. of State, Washington, D.C. 20521.
- FERGUSON, PROF. EVA D(REIKURS). Psychology. New position: Prof, 69-, Dept. of Psychology, Southern Illinois University, Edwardsville, IL. 62025.
- FERGUSON, GLENN WALKER. Public Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chancellor, 69-, Long Island University, Greenvale, N.Y. 11548.
- FERNANDEZ, DR. FRANK. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Vis. assoc. prof, 69-, Dept. of Sociology & Anthropology, College of Social Sciences, University of Puerto Rico, Rio Piedras, P.R. 0931.

- FERRARI, DR. MICHAEL RICHARD, b. Monongahela, Pa, May 12, 40; m. 64; c. 1. MANAGEMENT, BUSINESS ADMINISTRATION. B.A, Mich. State, 62, M.A, 63, Ford Found. fel, 67-68, D.B.A, 68. Resident adv, Mich. State, 62-64, res. asst. mgt, 65-68, asst. dir. residence hall prog. 66-68; asst. dean men, Cincinnati, 64-65; ASST. PROF. MGT, KENT STATE, 68- Summers, Kent State res. fel, 69, Am. Col. Testing Prog. res. fel, 70. Mem, N.Am. Res. Group Mgt, 69- Acad. Mgt. Organizational behavior, change and psychology; organization theory; administration in higher education; group dynamics; behavioral science in administration. Publ: Profiles of American college presidents, Dlv. Res, Mich. State Univ, 70; The origins and careers of business, government and academic elites, Calif. Mgt. Rev. 70 & Careers of college presidents, Bus. Topics, 70. Address: Dept. of Management, 211 Franklin Hall, Kent State University, Kent, Ohio 44240.
- FERRARO, DR. DOUGLAS P(ETER). Psychology. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Psychology. University of New Mexico, Albuquerque, N.Mex. 87106.
- FERSH, DR. SEYMOUR H. History, Asian Studies. See 5th ed. Dir. Am. Scholars, Vol. I, Hist.
- FEYERABEND, PROF. PAUL KARL. History & Philosophy of Science, Aesthetics. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- FIDURA, DR. FREDERICK GEORGE, b. Sturgeon Bay, Wis, July 14, 40; m. 66; c. 1. PSYCHOLOGY. A. B. Ohio, 62, M. A. 63; Ph. D. (psychol). Mich. State, 67. Instr. PSYCHOLO, Mich. State, 67. AST. PROF. STATE UNIV. N.Y. COL. GENESEO, 67. Nat. Inst. Ment. Health res. grant, 69-70. Antimal Behav. Soc; Psychol. Asn. Role of attention in animal learning. Publ. Co-auth, Visual discrimination of color, pattern and form in the Japanese quail (Coturnix coturnix aponica), 51-67. 427-428 & auth. Selective attention and complex discrimination in the Japanese quail (Coturnix coturnix japonica), 151-167-168; Psychonomic Sci; co-auth, The relation between pulse-to-cycle fraction and CFF, Am. J. Psychol, 78: 448-454. Address: Dept. of Psychology, State University of New York College at Geneseo, Geneseo, N.Y. 14454.
- FIEDLER, PROF. FRED E(DWARD). Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Prof. 69-, Dept. of Psychology, University of Washington, 201 Johnson Annex A, Seattle, Wash. 98105.
- FIELD, DR. HOWARD L, b. Buffalo, N.Y, May 1, 28; m. 60; c. 3. PSYCHIA-TRY. A.B, North Carolina, 49; M.D, Jefferson Med. Col., 54. ASSOC. PROI CLIN. PSYCHIAT, JEFFERSON MED. COL, 60. U.S.N, 56-58, Lt. AAS; Psychiat. Asn; Am. Med. Asn. Psychiatric treatment of patients in a general hospital. Address: Dept. of Clinical Psychiatry, Jefferson Medical College, 1025 Walnut St, Philadelphia, Pa. 19107.
- FIELDER, DR. WILLIAM J(OSEPH). Clinical Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Independent psychol. consult, 69-, Address: 1447 E. San Miguel Ave, Phoenix, Ariz. 85014.
- FIELDS, DR. VICTOR. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. personnel & training res. progs, Off. Naval Res, 69- Address: 13905 Northgate Dr, Silver Spring, Md. 20906.
- FIENBERG, DR. STEPHEN ELLIOTT, b. Toronto, Ont, Nov. 27, 42; m. 65; c. 1. STATISTICS, MATHEMATICAL BIOLOGY. B.Sc., Toronto, 64; A.M., Harvard, 65, Can. Coun. fel, 66-68, Ph.D. (statist), 68. Instr. psychol, Wellesley Col, 68; ASST. PROF. STATIST. & MATH. BIOL, CHICAGO, 68-VIS. asst. prof. Harvard, summer 69. AAAS, Statist. Ass. Biomet. Soc. Inst. Math. Statist. Data nanalysis; foundations of statistical inference; analysis of counted data; stochastic modeling in biology; multivariate statistical inference. Publ: The geometry of an rxc contingency table, Annals Math. Statist, 68; Preliminary graphical analysis and quasi-independence for two-way contingency tables, Appl. Statist, 69; co-auth, Methods for eliminating zero counts in contingency tables, in: Random counts in scientific work, Pa. State Univ, 70. Address: Dept. of Statistics, University of Chicago, Chicago, III. 60637.
- FIFE, DR. CHARLES LYNN, b. Idaho Falls, Idaho, Nov. 28, 34; m. 58; c. 6. AGRICULTURAL ECONOMICS, BUSINESS MANAGEMENT. B.S, Brigham Young, 60; M.S, Oregon State, 61; Ph.D. (agr. econ), Purdue, 67. ASST. PROF. AGR. ECON, VERMONT, 66- Agr. Econ. Asn. Agricultural production economics; managerial decision-making process; economic feasibility analysis; milk marketing. Publ: Co-auth, Production, disposal and use of whey in Vermont, Vt. Agr. Exp. Sta, 69; auth, chap, in: Applications of management games in teaching and research, Ed. Methods, 66. Address: Dept. of Agricultural Economiese, University of Vermont, Burlington, Vt. 05401.
- FIFER, DR. S. ANNE. Physiological Psychology. See 12th ed, Phys. & Biol. Vols.
- FIKS, DR. ALFRED I. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Acting head res. dept, 69-, Test Development & Research Office, West African Examinations Council, PMB 1076, Yaba, Lagos, Nigeria.
- FILAS, F(RANCIS) L(AD). Theology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- FILDES, PROF. JONATHAN E, b. Datchet, Eng, Feb. 15, 20; U.S. citizen; m. 54; c. 2. INTERNATIONAL ECONOMICS & FINANCE. B.Sc. London Sch. Econ, 40; M.A. London, 60, D.Sc. (adv. financial anal), 61. Consult, int. finance & mkt, 47-60; bus. develop. div, REA Express, 60-62; distribution & planning mgr, Singer Co. 62-65; asst. to pres, Engrs, Inc. N.J. 65-66; CITIBANK PROF. INT. FINANCE, THUNDERBIRD GRAD. SCH. INT. MGT, 66-Adj. prof, exten. prog, State Univs. N.Y, 59-63; lectr, Am. Mgt. Asn, 60-65; summer bus. col. fel, Found. Econ. Ed, 67. Mem., Brit. Inst. Practitioners Advert. & Brit. Inst. Pub. Rels, 49-Arbit. Asn; Mkt. Asn. International distribution logistics; development of econo-

metric technique to minimize margin of error in management decision making for penetration of foreign markets by qualitative-quantitative measurement of total environments. Publ: International physical distribution management, 68 & co-auth, The quantifactor method, 68, Thunderbird Grad. Sch. Int. Mgt; auth, Big job: world-size distribution, Handling & Shipping, 68. Address: Dept. of International Commerce; Thunderbird Graduate School of International Management, P.O. Box 191, Phoenix, Ariz. 85001.

- International Management, P.O. Box 191, Phoenix, Ariz. 85001.

 FILERMAN, DR. GARY LEWIS, b. Minneapolis, Minn, Nov. 16, 36; m. 62; c. 3. HEALTH SERVICES ADMINISTRATION, POLITICAL SCIENCE. B.A., Minnesota, 58, Phillips Found. 1el, 59-60, M.H.A., 61, W.K. Kellogg Found. 1el, 61-63, M.A., 63, Ph.D. Inealth admin], 70; Am. States fel. & Milbank Mem. Fund travel fel, 64. Dir, Hungarian Student Reception Center, 55-57; admin. resident, Johns Hopkins Hosp, 61-62; guest scholar, Brookings Inst. 62; full-time res, Nat. Health Serv. Chile, 64, asst. to dir, Minn. Hosp. Asn, 65; EXEC. DIR, ASN. UNIV. PROOS. HOSP. ADMIN, 65- EXEC. SECY. ACCREDITING CNN. GRAD. ED. FOR HOSP, ADMIN, 65- Deserver, WHO Conf. Health Care Admin, Bogota, 66; Hosp. Conf. West. Europe, London, 68, v.chmin, Fedn. Schs. Health Professions, 69-70. Consult, W.K. Kellogg Found-Univ. Chile, 66 & Univ. Mexico, 67. Mem. joint cmt. med. care ed, 66-; cmt. library serv, Am. Hosp. Asn, 66-, adv. panel state licensure, 68; Nat. Coun. Univ. Res. Administr. Asn. Am. Med. Cols; fel. Pub. Health Asn; Col. Hosp. Adminstr. Gerontology; political behavior; political aspects of health services administration, particularly in Latin America. Publ: The teaching of preventive and social medicine at the University of Chile, J. Med. Ed, 6/69; Administration, particularly in Latin America. Publ: The teaching of preventive and social medicine at the University of Chile, J. Med. Ed, 6/69; Administration, particularly in Latin America. Publ: The teaching of preventive and social medicine at the University of Chile, J. Med. Ed, 6/69; Administration, particularly in Latin America. Publ: The teaching of preventive and social medicine at the University of Chile, J. Med. Ed, 6/69; Administration, particularly in Latin America. Publ: The teaching of preventive administration, particularly in Latin America. Publ: The teaching of preventive administration, particularly in Latin America. Publ: The teaching of Publish Publish Publish Publish Publish Publish Publish Publish Publish Publish
- FILION, DR. ROSS DENIS LAURENT, b. Cleveland, Ohio, Oct. 17, 34; m. 59; c. 2. EXPERIMENTAL PSYCHOLOGY. M.A, Princeton, 62, Ph.D. (psychol), 64. Instr. PSYCHOL, Princeton, 63-64, res. assoc, 64-67, mem. res. staff, 67-68; INSTR, PENNSYLVANIA, 68- U.S.A, 55-58. Research on behavior modification treatment of obesity; research on dynamics of operant responding; research on perception of time-variant stimulus magnitudes. Publ. Co-auth, Psychophysical evaluation of feedback phenomena as related to force emission; some methodological considerations, Am. J. Psychol, 69, Some effects of simultaneous force-proportional positive and negative reinforcement, J. Exp. Psychol. & Some effects of prefeeding and training upon rate and precision of the bar-pressing response, J. Comp. & Physiol. Psychol, (in press). Address: Dept. of Psychiatry, University of Pennsylvania, Philadelphia, Pa. 19104.
- FINDLAY, DR. DONALD CHARLES. Educational Psychology. See A. K Vol, 11th ed. Soc. & Behav. Vols. New position & address: Dir, 69-, Education & Training Sciences Dept, Naval Medical Research Institute, Bethesda, Md. 20014.
- FINDLER, DR. NICHOLAS V(ICTOR). Computer Science, Applied Mathematics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- INDLEY, DR. JACK D. b. Hillsboro, Tex, Feb. 15, 30; m. 64; c. 2. PSY-CHOLOGY. A.B, Baylor, 52; Ph.D. (exp. psychol), Columbia, 54. Res. assoc. exp. psychol, U.S. Navy Sch. Aviation Med, 55-58; psychopharmacol, Maryland, 85-60, asst. prof. spechol, 61-63; asst. dir. Inst. Behav. Res. 63-68; ASSOC. PROF. BEHAV. BIOL, SCH. MED, HOPKINS, 68- Assoc. prof. Sch. Med, Maryland, 67-68; grants, NASA, Nat. Inst. Ment. Health & Asn. Ed. & J. Exp. Anal. Behav. Consult, Walter Reed Army Inst. Res, 63-US.N.R, Lt.(gl). Fel. AAAS; fel. Psychol. Asn. Operant conditioning; experimental psychology; psychopharmacology; behavioral biology. Publ. An experimental outline of multi-operant repertoires, J. Exp. Anal. Behav, 62; Environments for experimental analysis of human behavior, In: Operant behavior and psychology, Appleton, 66. Address: Dept. of Behavioral Biology, Johns Hopkins University School of Medicine, 725 N. Wolfe St, Baltimore, Md. 21218.
- FINE, DR. PAUL A. Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Ph.D. Rutgers, 69. Address: 401 E. 86th St, Apt. 2B, New York, N.Y. 10028.
- FINE, DR. SHERWOOD MONROE. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. econ, Washington & Lee, 70- Address: 2128 Wyoming Ave. N.W. Washington, D.C. 20008.
- FINGARETTE, PROF. HERBERT. Philosophy. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos, Relig. & Law.
- FINIFTER, DR. BERNARD M, b. Baltimore, Md, Oct. 7, 35; m. 60. SOCIOL-OGY, SOCIAL PSYCHOLOGY. B.A, Antioch Col, 59; M.A, Michigan, 62; Nat. Inst. Ment. Health lel, Wisconsin, Madison, 66-67, summers, univ. fels, 66 & 67, Ph.D. (sociol), 68. Prof. sociol, Cath. Univ. Caracas, 63-64; ASST. PROF. SOCIOL, MICH. STATE, 67-Sociol. Asn. Personality and social structure; theory of political and social participation patterns; multivariate statistical methodology, cross-cultural comparative research. Address: Dept. of Sociology, Michigan State University College of Social Science, East Lansing, Mich. 4823.
- FINK, DR. CLINTON F(REDERICK). Sociology, Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Ed. J. Conflict Resolution, 69 - Address: 610 Huron View Blvd, Ann Arbor, Mich. 48103.
- FINK, DR. DONALD LLOYD. Pediatrics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- FINKELSTEIN, LAWRENCE S(TANLEY). Government, Public Law. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Secy. & res. assoc, center int. affairs, Harvard, 69. New publ: Ed. & contrib, The United States and international organization: the changing setting, M.I.T., 69. Address: 4 Upland Rd, Lexington, Mass. 02173.
- FINLEY, DR. GORDON ELLIS, b. Evanston, III, July 30, 39. DEVELOPMENTAL PSYCHOLOGY. B.A., Antioch Col, 62; M.A., Harvard, 65, Ph.D.(soc.psychol), 68. ASST. PROF. PSYCHOL, British Columbia, 67-68; TORONTO, 69- Ed. Res. Inst. British Columbia res. grant, 68-69; res. grant, Univ.

- British Columbia, 68-69; Can. Coun. res. grant, 69-70; summers, Soc. Sci. Res. Coun. award to attend Inst. Cognitive Develop, 64, Internuiv. Proj. Behav. Sci. Iield work grant, Yucatan, Mex, 65, Am. Psychol. Asn. travel award to Interam. Cong. Psychol. Lima, Peru, 66. Psychol. Asn. Soc. Res. Child Develop; Soc. Psychol. Study Social Issues; Interam. Soc. Psychol. Social-cognitive development; development of persuasive skills; social development in infancy, cross-cultural research. Publ: Co-auth, The child's differential attention to regular and distorted human forms and faces, Proc. Cong. Interam. Soc. Psychol, Mex, 67 & Play behavior in young children: a cross-cultural study, J. Genetic Psychol, (in press). Address: Dept. of Psychology, University of Toronto, Toronto 181, Ont, Can.
- FINNER, DR. STEPHEN L, b. Newark, N.J, May 4, 38; m; c. 2. SOCIOLOGY, DEMOGRAPHY. A.B, Colby Col, 60; Ph.D.(sociol), Brown, 68. ASST. PROF. SOCIOL, Maine, 65-68; DELAWARE, 68- Sociol. Asn; Statist. Asn; Pop. Asn. Am. The intersection of population processes and religion in society for both individuals and institutions; measurement of religiosity. Publ: Co-auth, Prospects for fewer births by delayed marriage in Punjab villages, Demography, 3: 209-217; auth, The relation between religious committment and attitudes toward induced abortion, Sociol. Anal, spring 69. Address: Dept. of Sociology, University of Delaware, Newark, Del. 19711.
- FINNIE, DR. BRUCE. Sociology, Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Registrar, 69-, Princeton University, 115 West College, Princeton, NJ. 06540.
- FINSTER, DR. RONALD D, b. Beloit, Wis, June 28, 36; m. 62; c. 3. ECON-OMICS. B.S., Arizona, 59, M.B.A., 61, Ph.D.(econ), 70. Res. assoc. agr. econ, Arizona, 68-69; asst. prof. ECON, TEXAS A£1, 69-70, ASSOC. PROF. 70. Econ. Asn; Water Resources Asn; Agr. Econ. Asn. Economics of natural resources, especially water resources. Publ. Improving water resource allocation through demand-oriented water policy, Proc. Water Resources Asn, 70. Address: Dept. of Economics, Texas A&1 University, Kingsville, Tex. 78263.
- FIRESIDE, DR. HARVEY, b. Vienna, Austria, Dec. 28, 29; U.S. citizen; m. 59; c. 2. POLITICAL SCIENCE. A.B. Harvard, 52, A.M., 55; fel, Free Univ. Berlin, 53-54; summer, N.Y. State Ed. Dept. fel, Cornell, 65: Ph.D. [polit. sci), New Sch. Soc. Res., 68. Info. specialist, U.S. Atomic Energy Cmn, 57-58; asst. ed., Palmerton Publ. Cc, 59-60; ed., Am. (Cyanamid Co, 60-61; writer-ed, Am. For. Policy Asn, 61-62; free-lance ed, N.Y., 62-64; asst. prof. POLIT. SCI, N.Y. Inst. Tech, 64-68; ASSOC. PROF. [THACA COL, 68- Intel. C., U.S.A., 55-57. Polit. Sci. Asn, Asn. Adv. Slavic Studies. Political controls in Soviet culture, especially religion and literature; Soviet foreign policy toward Southeast Asia. Publ: Co-auth, Berlin (pamphlet), For. Policy Asn, Inc., 61; auth, Ikon and swastika: the Russian Orthodox Church under Nazi and Soviet control, Harvard Univ, 70; The concept of the legislator in Rousseau's Social contract, Rev. Polit, spring 70. Address: Dept. of Political Science, Ithaca College, Ithaca, N.Y. 14850.
- FIRESTONE, DR. FREDERICK N(ORBERT). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn, 70-, Dept. of Economics, Illinois State University, Normal, Ill. 61761.
- FISCH, DR. MARTIN L. Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: On leave from L.I. Col. Hosp. as pres, Medici Fund, 70- Address: Laurelwood Dr, Mountain Lakes, N.J. 07046.
- FISCH, DR. RALPH I, b. Detroit, Mich, July 3, 28; m. 56; c. 2. CLINICAL PSYCHOLOGY, SPEECH PATHOLOGY. A.B, Wayne State, 51, M.A, 53; fel, Kansas, 57-59, Ph.D. (clin, psychol), 60. Staff psychologist, Vet. Admin. Consol. Center, Wadsworth, Kans, 60-62; chief psychologist, Wyandotte County Guid. Center, Kansas City, 62-63; Wichita Psychiat. Center, 63-68; ASSOC. PROF. CLIN. PSYCHOL, HOUSTON, 68- Consult, Kans. State Bd. Rehab, 62-68; Head Start, 68-; St. Joseph's Hosp. & Ment. Health Center, 69-U.S.A, 53-55. Psychol. Asn. Conditioning of attention and perceptual learning; outcome in group and individual psychotherapy; personality and learning disability problems in children. Publ: Co-auth, Affect in etiology and maintenance of mental deficiency, J. Clin. Psychol, 55; The attributed meaning of an unstructured stimulus, 63 & auth, Conditioning of attention in perceptual learning, 65, Perceptual & Motor Skills. Address: Dept. of Psychology, University of Houston, Houston, Tex. 77004.
- FISCHER, DR. CONSTANCE T(AYLOR), b. Oahu, Hawaii, July 29, 38; m. 64; c. 1. CLINICAL PSYCHOLOGY. B.A., Oklahoma, 60; M.A., Kentucky, 63, Ph.D. Osychol), 65. Clin. psychol. trainee, U.S. Vet. Admin. Hosp, Lexington & Louisville, Ky. & Pitsburgh, pa, 61-66; ASST. PROF. PSYCHOL, DUQUESNE, 66- Psychol. Asn. Development of a philosophical foundation for psychology as a human science, and of appropriate research methods for this approach. Publ: Social schemas: response sets or perceptual meanings?, J. Personality & Soc. Psychol, Vol. 10, No. 1, Intelligence defined as effectiveness of approaches, J. Consult. & Clin. Psychol, Vol. 33, No. 6; The testee as co-evaluator, J. Counseling Psychol, Vol. 17, No. 1. Address: Dept. of Psychology, Duquesne University, Pittsburgh, Pa. 15219.
- FISCHER, PROF. ERIC. Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Teacher, Montgomery Col, 69-; Cath. Univ, 70-Address; 301 Philadelphia Ave, Takoma Park, Md. 20012.
- FISCHER, DR. GEORGE. Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69s., Dept. of Sociology, Richmond College, City University of New York, Staten Island, N.Y. 10301.
- FISCHER, DR. HENRY L(OUIS), b. Strasburg, N.Dak, Nov. 4, 37; m. 62; c. 2. CLINICAL PSYCHOLOGY. B.A, St. John's (Minn), 59; U.S. Pub. Health Serv. fels, Washington (Seattle), 59-60 & 64-65, MS., 62, Ph.D. (psychol), 65. Fel. clin. psychol, Judge Baker Guid. Center, Mass, 65-66; staff psychologist, JOHN F. KENNEDY CHILLD DEVELOP. CENTER, SCH. MED, COLORADO, 66-69, CHIEF PSYCHOLOGIST & ASST. PROF. PSYCHLAT, 69-U.S.A.R, 57-63. Psychol. Asn. Child development and personality theory; cognitive processes in learning problems and perceptually-handicapped children; school consultation. Publi School consultation in a special education setting, Psychol. in Schs, Vol. VI, No. 1; co-auth, Assessment of per-

ceptual development, Am. J. Occup. Ther, Vol. XXIII, No. 5. Address: University of Colorado School of Medicine, 4200 E. Ninth Ave, Denver, Colo. 80220.

FISCHER, PROF. MONROE CARL, b. Scranton, Pa. ECONOMICS. B.A., Duke, 37, M.A., 38; Ph.D. (econ), American Univ, 65. Asst. prof. econ. & finance, The Citadel, 48-49; econ. & statist, Buckenll, 49-52; econ. & finance, Lafayette Col, 54-55; assoc. prof. econ, finance & statist, Va. Polytech, 55-61; PROF. ECON. & STATIST. & CHMN. DEPT. ECON, NEVADA, LAS VECAS, 62- Econ. Asn.; Regional Sci. Asn. Statistical and financial analysis. Address: Box 2672, Las Vegas, Nev. 991104.

FISCHER, DR. WILLIAM G, b. Pittsburgh, Pa, May 8, 34; diy; c. 2. CLIN-ICAL PSYCHOLOGY. B.A, Waynesburg Col, 56; M.A, Kent State, 60; Ph. D. (psychol), Ill. Inst. Tech. 70. Psychologist, Chicago Pub. Sch., 60-64; DIR. DEPT. PSYCHOL, SCHWAB REHAB. HOSP, 65- Clin. assoc, Chicago Med. Sch., 66- Consult, Chicago Cath. Sch., 63-; Ill. Div. Voc. Rehab. & Old Age & Survivors Ins. Prog., 63-; Parkview Home for Aged, 65- U.S.A, 58-60. Assoc. Psychol. Asn, Nat. Rehab. Asn. Child physical disability & community psychology in a clinical capacity. Publ: Schizophrenic language, Am. Psychol. Asn, 59 & Family therapy for aphasics, Ill. Group Ther. J, 67. Address: 185 N. Wabash, Chicago, Ill. 60601.

FISH, DR. JAMES FRANKLIN, JR. Biological Oceanography, Animal Behavior. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

FISHEL, PROF. WESLEY R(OBERT). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Vis. res. prof. govt. Southern Illinois & ed, Southeast Asia Int. Quart. Address: 4572 Ottawa Dr, Okemos, Mich. 48664.

FISHER, DR. ANTHONY CLINTON, b. Washington, D.C. Dec. 19, 40. ECO-NOMICS. A.B. Columbia Col., 62; Ph.D. (econ), Columbia, 68. Economist, Inst. Defense Anal, 64-65; ASST. PROF. ECON, BROWN, 66- Resources for Future, Inc. res. grant, 70. Econ. Asn; Economet. Soc. Problems of human resource allocation; economics of environmental quality, including the relation of population growth to quality and the optimum use of natural areas. Publ: Co-auth, Cost-effectiveness analysis for the war on poverly, In: Cost-effectiveness analysis, Praeger, 67; auth, The cost of the draft and the cost of ending the draft, Am. Econ. Rev., 69; co-auth, Marginal product of labor, wages and disequilibrium, Rev. Econ. & Statist, 11/69. Address: Dept. of Economics, Brown University, Providence, R.I. 02912.

FISHER, DR. CHARLES SAMUEL, b. Chicago, II, May 4, 38. SOCIOLOGY. B.S. Chicago, 59, M.S. 60; Ph.D. (math), California, Berkeley, 64. Nat. Sci. Found. fel. SOCIOL, Princeton, 65-66; Soc. Sci. Res. Coun. res-training fel, Courant Inst. Math. Sci. N.Y. Univ, 66-87; ASST. PROF, BRANDEIS, 67. Functional analysis to 1964; sociology, history and philosophy of science; collective behavior and social movements; field work and ethnography. Publ; The death of a mathematical theory, Archive Hist. Exact Sci, 66; The last invariant theorists, European J. Sociol, 67. Address: Dept. of Sociology, Brandeis University, Waltham, Mass. 02154.

FISHER, DR. DOUGLAS. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Vis. sr. lectr, 69-, Dept. of Economics, University of Essex, Colchester, Essex, Eng.

FISHER, PROF. FRANCIS JOHN FULTON. Evolutionary Biology, Plant Physiology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

FISHER, DR. HILDA B. Linguistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also lectr. otolaryngol, sch. med, Northwestern, 68-Address: 2541 Kingston Dr., Northbrook, Ill. 60062.

FISHER, DR. JAMES L(EE). Counseling Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Pres, 69-, Towson State College, Baltimore, Md. 21204.

FISHER, JACOB, b. Warsaw, Poland, Feb. 4, 05; U.S. citizen; m. 32; c. 2. SOCIAL SCIENCE. B.S, N.Y. Univ, 26, M.S.S, 31. Res. analyst, Soc. Security Admin, 43-54; DIR. MANPOWER, ED. & HEALTH STUDIES, SURV. & RES. CORP, 57- Manpower; education; health; welfare. Publ: Co-auth, The market for steel in Mexico, Praeger, 64; auth, The psychiatric aide in state mental hospitals, Nat. Inst. Ment. Health, 65; co-auth, Junior college teachers of science, engineering and technology, Nat. Sci. Found, 69. Address: Surveys & Research Corporation, 1828 L St. N.W, Suite 702, Washington, D.C. 20036.

FISHER, PROF. JOHN KARL, b. Hornell, N.Y, Feb. 18, 31; m. 59; c. 2.
COUNSELING & GUIDANCE, EDUCATIONAL ADMINISTRATION. B.A, Alfred, 52, M.S, 53, summers, Nat. Sci. Found, fels, Pa. State, 58 & 59; Ed. J.
(counseling & ed. admin), Maryland, 64; Maine, summer 66. Instr, pub. schs, Md, 55.62; res. asst, bur. ed. res, Univ. Maryland, 62-63, staff assoc, interprinl. res. cmn. pupil serv; 63-65, asst. dr. 65-66 assoc, prof. counseling & guid, Pa. State, 66-67; PROF. PSYCHOL. & GUID, EDINIBORO STATE (COL, 67-, ASSOC, DEAN ACAD. AFFARS, 69-, asst. dean grad. 56, 66-87; Res. grants, Univ. Maryland, 65-66; ass. prof. lectr, George Washington Univ, 65-66. Chem.C, U.S.A, 53-55, Sgt. Personnel & Guid. Asn; Ašn. Counsr. Ed. & Supv. Sex differences in learning and school performance; sex differences in learning and school performance; sex differences in remained development and survey procedures. Publ. Ed. & co-auth, Northwestern Pennsylvania science and engineering study: 1968, Pa. Sci. & Eng. Found, 69; auth, Sex differences in pupil and teacher social roles in the classroom. Psychol. in Schs, 4/68 & Subprofessionals in pupil personnel services, Bull. Nat. Asn. Sec. Sch. Prin, 1/66. Address: Administration Bidg. Edinboro State College, Edinboro, Pa. 16412.

FISHER, PROF. JOSEPH T, b. Neosho Falls, Kans, Sept. 23, 10; m. 46; c. 2. EDUCATIONAL PSYCHOLOGY. A.B, Ft. Hays Kans. State Col. 33, M.A, Colo. State Col. 25, 48; Ed.D.(ed. psychol), Nebraska, 55. Asst. prof. ED.

PSYCHOL, Hastings Col, 49-52, assoc. prof, 52-54; lectr, Nebraska, 54-55; assoc. prof, SOUTH DAKOTA, 55-59, PROF, 59-, CHMN. DEPT, 55- Consult, Nat. Asn. Accreditation Teacher Ed, 63-69; U.S. Off, Ed, 64-65. U.S.A. 42-45, T/Sgt. Nat. Soc. Study Ed; Personnel & Guid. Asn; Asn. Counsr. Ed. & Supvr. Development and standardization of tests for the measurement of personality. Address: 900 James Ave, Vermillion, S.Dak. 57069.

FISHER, PROF. LAWRENCE, b. Los Angeles, Calif., Oct. 19, 29; m. 57, 68; c. 2. ECONOMICS. B.A, Pomona Col, 51; A.M., Chicago, 55, Earhart Found. Icl, 55-56, Ph.D. (econ), 56. Economist, Rand Corp, 56-57; asst. prof. FINANCE, GRAD. SCH. BUS, CHICAGO, 57-63, assoc. prof. 63-68, PROF. 68-, ASSOC. DIR. CENTER RES. IN SECURITY PRICES, 60- Summer lectr, California, Los Angeles, 66. Consult, various industs; mem, adv. cmt. measuring investing performance of pension funds, Bank Admin. Inst, 66-69. Econ. Assi, Statist. Ass.; Economer. Soc. Analysis of behavior of securities prices and return from investment; computer programming for construction, maintenance, and analysis of very large files of data. Publ: Determinants of risk premiums on corporate bonds, J. Polit. Econ, 59; coauth, Rates of return on investments in common stock, J. Bus, 64, 68; auth. Master file of data on common stocks listed on the New York Stock Exangel, 1926-66 (magnetic tape), Standard Statist, 67. Address: Dept. of Finance, Graduate School of Business, University of Chicago, Chicago, Ill. 60637.

FISHER, PROF. M(ILES) BRUCE. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: No longer assoc. v.pres. acad. planning, Dept. of Psychology, Fresno State College, Fresno, Calif. 39726.

FISHER, DR. RHODA LEE. Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Clin. psychologist, 69- Address: 214 Brookford Rd, Syracuse, N.Y. 13224.

FISHER, DR. STANLEY HERBERT. Psychology. See A-K Vol, 11th ed. Soc & Behav. Vols. New position: Assoc. prof, Connecticut, 69- Address: 204 Scott Dr., Manchester, Conn. 06040.

FISHER, DR. W(ILLIAM) HALDER. Economics, Statistics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Fel, 99-, Battelle Memorial Institute, Room 291H, 505 King Ave, Columbus, Ohio 43201.

FISHKIN, DR. STEVEN M(ARK), b. New York, N.Y., Nov. 9, 37; m. 60; c. 2. PSYCHOLOGY. B.A, Shimer Col., 57; M.A, Colorado, 66, Ph.D. (psychol). 68. ASST. PROF. BEHAY, SCH. MED, OKLAHOMA, 69- Res. psychologist, Vet. Admin, Hosp, 68- Psychol. Asn. Relations among perceptual, conceptual, psychopathological and psychophysical variables. Publ: Co-auth, Effects of naming upon learning and transfer of learning in the mentally retarded, Am. J. Ment. Deficiency, 68; auth, Conditioning the spiral aftereffect, 69 & Passive verses active exposure and other variables related to the occurrence of hand adaptation to lateral displacement, 69, Perceptual & Motor Skills. Address: Dept. of Psychiatry & behavioral Science, University of Oklahoma Medical Center, 800 N.E. 15th 55, Oklahoma City, Okla. 73104.

FISK, PROF. McKEE. Business Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof. bus. admin. & emer. dean sch. bus, Fresno State Col, 69-; prof. bus. admin, 69-, Graduate School of Business, University of Santa Clara, Santa Clara, Calif. 95053.

FISS, DR. HARRY. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir. clin. training, 69-, Dept. of Psychiatry, Division of Psychology, Albert Einstein College of Medicine. Brom., N.Y. 10461.

FISZMAN, DR. JOSEPH R. Political Science. See A-K Vol., 11th ed., Soc. & Behav. Vols. New position: Acting dir. inst. comp. exp. res. in behav. systs. Oregon, 69- Address: 2640 E. 4374 St, Eugene, Ore. 97405.

FITTING, DR. JAMES E. Anthropology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 68-, Dept. of Anthropology, Case Western Reserve University, Cleveland, Ohio 44106.

FITZGERALD, DR. HIRAM E, b. Columbia, Pa, Nov. 12, 40; m. 63; c. 2. DEVELOPMENTAL PSYCHOLOGY, PSYCHOPHYSIOLOGY. B.A. Lebanon Valley Col., 62; M.A. Dewere, 64, Nat. Inst. Ment. Health trainesship, 65-67, Ph.D. (develop. psychol), 67. Instr. PSYCHOL, Mercy Hosp. Sch. Nursing, Denver, Colo, 65-66; ASST PROF, MICH. STATE, 67- Consult, Dr. Lawrence Caster, State Univ. N.Y. Col. Geneseo, 68- AAAS; Soc. Res. Child Develop; Psychol. Asn; Int. Soc. Develop. Psychobiol; Soc. Psychol. Study Social Issues. Conditioning and learning in human infants, particularly sensory stimulation; developmental psychophysiological correlates of attention. Publ: Co-ed, Studies in human development, Dorsey, 70 & Design and method in infant research, University Chicago, (in press); co-auth. Development and behavior, Acad. Press, 69; plus others. Address: Dept. of Psychology, Michigan State University, East Lansing, Mich. 48823.

FITZGERALD, PROF. JOHN LOYOLA. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

FITZGERALD, DR. JOSEPH A(RTHUR). Medicine, Psychiatry. See Suppl. V to 11th ed, Phys. & Biol. Vols.

FITZGERALD, PROF. SHERMAN KIRKHAM. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Sociology. University of Redlands, Redlands, Calif. 92373.

FITZHUGH, DR. KATHLEEN B(ELL). Psychology. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. psychol, 69-, Dept. of Physical Medicine & Rehabilitation, Box 43, Tufts University Medical School, 171 Harrison Ave, Boston, Mass. 02111,

FITZPATRICK, DR. ALBERT ARTHUR, b. Los Angeles, Calif, Mar. 25, 25; m. 50; c. 4. BUSINESS, ECONOMICS. B.S, Southern California, 49, M.B.A,

51, Ph.D. (econ), 62; M.S., Baylor, 56. Contracting officer & pricing specialist, U.S. Govt. Defense Contracts, 56-62; asst. & assoc. prof. econ, U.S. Air Force Acad, 62-66; ASSOC. PROF. tinance, Colorado, 66-67; BUS. & ECON, MAINE, PORTLAND, 68- Finance Asn; Econ. Asn. Government defense contracting and pricing on major weapon system; investment analysis for institutional investors combining risk and return relationships. Publ: Pricing methods of industry, Pruett, 65; Pricing in marketing, Int. Cor. Schs, 68; co-auth, Modern handbook of marketing, McGraw, 70. Address: Dept. of Business & Economics, University of Maine, Portland, Maine 04107.

FITZPATRICK, PROF. E(UGENE) D(OUGLAS). Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1314 Viola Dr, Normal, Ill. 61761.

FITZSIMMONS, PROF. JAMES G. b. Newark, N.J., May 3, 35; m. 59. GEOG-RAPHY. EDUCATION. B.A. Montclair State Col., 57; M.A. Paterson State Col., 62; M.A. Oklahoma, 65; fel, Columbia, 65-67, M.A., 65; Freacher, pub. schs, N.J., 58-64, chmn. dept. soc. studies, 63-64; teaching asst. geog., Oklahoma, 64-65; instr. soc. studies, Teachers Col., Columbia, 65-66; ASST. PROF. GEOG., PATERSON STATE COL., 66- Instr., Hunter Col., 65-66. Participant, Nat. Defense Ed. Act Inst. High Sch. Geog. Proj., Univ. Maryland, 68, Nat. Defense Ed. Act Inst. Geront. In Higher Ed., 69. U.S.A.R., 63-68. Asn. Am. Geog; Am. Geog. Soc; Nat. Coun. Geog. Ed. Population geography and environmental studies; physical geography and geology. Publ. Geography in the secondary schools of Oklahoma, Univ. Oklahoma, 8/65; co-auth, Man, culture and geography, J. Geog, 10/69. Address: 3-E Colonial Dr., Little Falls, N.J. 07424.

FIT 2SIMMONS, DR. STEVEN J. b. Brooklyn, N.Y. July 20, 36. PSYCHOL-OGY. B.S. Northwestern, 58; M.S. Washington State, 60; Ph.D. (psychol). Houston, 66. Dir., Chicago Commons Settlement House, 57; intern psychol, U.S. Vet. Admin, 60; consult, youth progs, Jewish Community Center, Houston, Tex, 60-66. V. PRES. SOC. SCI. RES. & DEVELOP, ABT ASSOCS. INC, 66-5. Sr. consult, Off. of President, Bur. of Budget, 66-69; Off. Econ. Opportunity, 69-70; Rehabilitative Serv. Admin, Dept. Health, Ed. & Welfare, 70. Psychol. Asn. Soc. Psychol. Study Social Issues; Acad. Polit. & Soc. Sci. Community theory; rural and urban comprehensive program development; public policy formation, social-economic accounts; underdeveloped countries. Publ: Co-auth, Impact of television documentaries, Pub. Opinion Quart, winter 68, School failures; now or tomorrow, J. Develop. Psychol, 2, 69 & An evaluation of the neighborhood centers pilot program, Exec. Off. of President, Bur. of Budget, 9,69. Address: Abt Associates Inc, 55 Wheeler St, Cambridge, Mass. 02138.

FLAHERTY, DR. CHARLES FOSTER, JR. Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

FLAMER, DR. GEORGE B. Child Psychology. See A-K Vol., 11th ed., Soc. & Behav. Vols. New position & address: Asst. prof. psychol, 69-, Division of the Social Sciences, University of Minnesota, Morris, Minn. 56267.

FLANAGAN, DR. BRUCE C, b. Neenah, Wis, July 31, 29; m. 51; c. 3. SPEECH PATHOLOGY, BEHAVIORAL SCIENCE. B.S, Western Michigan, 53; M.S, Southern Illinois, 58; Ph.D. (Speech), Florida, 66. Asst. prof. behav. sci, South Florida, 60-66; ASSOC. PROF. SPEECH, KANSAS STATE, 66-U.S.A, 46-48. Speech & Hearing Asn. Speech science; behavioral analysis. Publ: Co-auth, Operant stuttering: the control of stuttering behavior through response contingent consequent, J. Exp. Anal. Behav, 58; Instatement of stuttering in normally fluent individual, Science, 59; Disinhibition and external inhibition infixed internal operant conditioning, Psychonomic Sci, 64. Address: Speech Pathology/Audiology Program, Kansas State University, Manhattan, Kans. 66502.

FLANDERS, DR. JAMES PRESCOTT, b. Cornwall, N.Y, Nov. 12, 42; m. 66; c. 1. PSYCHOLOGY, SOCIAL PSYCHOLOGY. B.S, Illinois, Urbana, 64; M.A, Vanderbilt, 66, Ph.D. (psychol), 68. Res. asst. exp. psychol, Illinois, Urbana, summer 62; res. clin. psychol, Elgin State Hosp, Ill, summer 64; res. asst. soc. psychol, Vanderbilt, summer 65; psychologist, dept. exp. psychophysiol, Walter Reed Army Inst. Res, Walter Reed Army Med. Center, D.C, 68-70; ASST. PROF. SOC. PSYCHOL, BOWLING GREEN STATE, 70-Med. Serv. C, U.S.A, 68-70, Capt. Psychol. Asn. Group risk taking; imitation, objective determinants of interpersonal behavior; skill in objective interpersonal behavior; learning, especially facilitation of learning by visual imagery; education, especially effectively reinforcing learning by visual imagery; education, especially effectively reinforcing learning by visual self-paced instruction. Publ: Co-auth, Effects of amiliarization and group discussion upon risk taking, J. Personality & Soc. Psychol, 67; auth, A review of research of intitative behavior, Psychol. Bull, 68; co-auth, Effects of informative and justificatory variables upon imitation. J. Exp. Soc. Psychol, 170, Address: Dept. of Psychology, Bowling Green State University, Bowling Green, Ohio 43402.

FLEER, DR. JACK D(AVID). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. & chmn, 69-, Dept. of Political Science, Wake Forest University, Box 7565, Reynolda Station, Winston-Saiem, N.C. 27109.

FLERON, DR. FREDERIC JOSEF, JR, b. Boston, Mass, Oct. 4, 37; m. 64; c. 1. POLITICAL SCIENCE. A.B. Brown, 59, A.M., 61; Ford Found. For. Area fel, Indiana, 61-62, Ph.D. (polit. sci), 68. Instr. POLIT. SCI, Kentucky, 55-68, asst. prof, 69-70; ASSOC. PROF, STATE UNIV. N.Y. BUFFALO, 70-Mem, planning group comp. Communist studies, Am. Coun. Learned Socs, 69-70. Polit. Sci. Asn, Sociol. Asn; Asn. Adv. Slavic Studies. Logic of inquiry in social sciences; mechanisms of adaptation to change in Communist political systems; comparative Communist political systems; political philosophy; political socialization; organization theory. Publ: Communist studies and the social sciences: essays on methodology and empirical theory, Rand McNally, 69; Co-optation as a mechanism of adaptation to change: the Soviet political leadership system, Polity, winter 69; co-auth, Personality, behavior and Communist ideology, Soviet Studies, 1/70. Address: 252 Market St, Lexington, Ky. 40507.

FLETCHER, DR. HAROLD J(OHN). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Educational Research, Florida State University, Tallahassee, Fla. 32306.

FLETCHER, PROF. JOHN L(YNN). Psychology. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired U.S. Army, 70; prof, 70-, Dept. of Psychology, Memphis State University, Memphis, Tenn. 38111.

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FLETCHER, PROF. RALPH CARR. Social Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 517 Paseo del Oro, Green Valley, Ariz. 35614.

FLETCHER, PROF. SAMUEL G(LEN). Speech Pathology, Audiology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. speech path. & audiol, New Mexico, 68-, dir. biocommun. lab, 69- Address: Biocommunications Lab, University of New Mexico, Albuquerque, N.Mex. 87106.

FLIEGE, DR. STEWART E(DWARD). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: V.pres. int. oper, Computer Sciences Corp, Century City, 69- Address: 1269 Corsica Dr., Pacific Palisades, Calif. 90272.

FLINN, DR. JOHN COLMAN, b. Hobart, Tasmania, Feb. 3, 39; m. 64; c. 2. AGRICULTURAL ECONOMICS. B.Agr. Sc., Melbourne, 60; fel, Univ. New England, Australia, 64-68, Ph.D. fagr. econ.), 68. Agronomist, Tasmanian Dept. Agr., 61-63; ASST. PROF. AGR. ECON, GUELPH, 69. Australian Army Res, 63-68, Lt. Am. Agr. Econ. Soc. Australian Agr. Econ. Soc. Demand and supply of irrigation water; water allocation and pricing in relation to physical and institutional constraints; simulation and analysis of crop irrigation systems. Publ: Co-auth, Development and analysis of input-output relations for irrigation water that the first temporal demand for irrigation water in an intensive irrigation area, 69. Australian J. Agr. Econ. Soc. o-auth, application of spatial equilibrium analysis to water resource allocation, Water Resources Res, 70. Address: Dept. of Agricultural Economics, University of Guelph, Guelph, Ont. Can.

FLINN, PROF. THOMAS A(UGUSTIN). Political Science. See A-K Vol., 11th ed, Soc. & Behav. Vols. New position & address: Chmn, 70-, Dept. of Political Science, Cleveland State University, Cleveland, Ohio 44102.

FLINN, DR. WILLIAM A. Marketing. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New information: Prof. indust. mgt, Ga. Inst. Tech, 69-; on leave as lectr. 69-70, European Division, University of Maryland, APO New York

FLINN, DR. WILLIAM L, b. Piqua, Ohio, Nov. 22, 38; m; c. 1. RURAL SOCIOLOGY. B S, Ohio State 60, M.S, 61, Ph.D. (sociol, rural sociol), 65. Fulbright prof. 6 dir. Int. Bus. Mach. sociol. res, Nat. Univ. Colombia, 64-65; instr. rural sociol, Ohio State, 65-66; ASST. PROF. RURAL SOCIOL. WIS-CONSIN, MADISON, 66, CHMN. EXTEN. SOCIOL, 69-, asst. to dean center develop. nations, 66-68, asst. prof. land tenure center, 68-69. Rural Sociol. Soc; Sociol. Asn. Research adaptation of rural to urban migrants in South America; adaptation-innovations. Publ: Co-auth, Internal colonialism and structural change in Colombia, Praeger, 70; auth, Process and effects of migration: two case studies, In: Urban annual, Sage, 70; Influence of community values on innovativeness. Am. J. Sociol, 5/70. Address: Dept. of Rural Sociology, 240 Agriculture Hall, University of Wisconsin, Madison, Wis. 53706.

FLINNER, DR. LYLE P. Psychology, Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

FLIOTSOS, DR. GEORGE V, b. Youngstown, Ohio, Feb. 19, 31; m. 60; c. 2. PSYCHOLOGY. B.S.C, Ohio, 53, M.S, 56; Ph.D. (psychol), Purdue, 61. Clin-psychologist, Marion Vet. Admin. Hosp, Ind, 61-63; asst. prof. PSYCHOL, PURDUE, FT. WAYNE, 63-66, ASSOC. PROF. 66- Dir, How to Study in Col. Prog, 64- Consult, Ft. Wayne Child Guid. Clin, 64-65; Five County Ment. Health Clin, 65-66; State Div. Voc. Rehab, Ind, 65-; Ft. Wayne State Hosp. & Training Center & Ft. Wayne Psychol. Assocs, 69- Med.Serv.C, U.S.A, 54-56, 2nd Lt. Psychol. Asn. Learning; motivation; psychological tests and measurements; personality; study skills. Address: Dept. of Psychology, Purdue University, 2101 Coliseum Blvd. E, Ft. Wayne, Ind. 46805.

FLORY, DR. RANDALL KEAN, b. Elgin, Ill, Sept. 13, 42; m. 67. EXPERI-MENTAL PSYCHOLOGY. B. A. Ill. Wesleyan, 64; NASA fel, Arizona State, 64 & 88, Ph.D. (exp. psychol), 69. ASST. PROF. PSYCHOL, HOLLINS COL, 69- Experimental analysis of aggressive behavior in animals; compulsive water drinking in animals. Publ: Co-auth, The effects of visual impairment on aggressive behavior Psychol. Record, 65; auth, Attack behavior in a multiple fixed-ratio schedule of reinforcement, Psychonomic Sci. 68; Attack behavior as a function of minimum inter-food interval, J. Exp. Anal. Behav, 69. Address: Dept. of Psychology, Hollins College, Va. 24620.

FLOYD, PROF. WILLIAM A, b. Akron, Ohio, Dec. 5, 28; m. 48; c. 2. PSY-CHOLOGY. A. B. Eastern Kentucky, 49; M.A. Akron, 53; B.D. Southern Methodist, 55; Ed.D. (counseling psychol), 62. Minister, Methodist Church, 53-59; assoc. prof. psychol, Columbia Col, 59-65; Appalachian State, 65-68; PROF. PSYCHOL, HOME ECON. & FAMILY LIVING & HEAD DEPT. WESTERN KENTUCKY, 68- Nat. Inst. Ment. Health fel. marriage &

family, Minnesota, 67-68. Consult, S.C. State Hosp, 60-62; Vet. Admin, 60-67. Psychol. Asn; Asn. Marriage Counsr; Personnel & Guid. Asn; Nat. Voc. Guid. Asn. Academic and vocational counseling; marital and family therapy; pastoral counseling; aptitude and personality measurement. Publ: Your future as a minister, Richards Rosen, 69; Aptitude testing with mental patients, Voc. Guid. Quart, 64; A longitudinal study of the SAT as a predictor of college success, Sch. Counsr, 67. Address: Dept. of Home Economics & Family Living, Western Kentucky University, Bowling Green, Ky. 42101.

FLUECK, DR. JOHN A. Statistics. See 12th ed, Phys. & Biol. Vols.

FLYNN, DR. FRANK J. International Law & Relations. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 45 Everett St, Newport, R.I. 02840.

FLYNN, PROF. PAUL P(ATRICK). Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

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FOGEL, ROBERT W(ILLIAM). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also prof, 68-, Dept. of Economics, University of Rochester, Rochester, N.Y. 60637.

FOLEY, DANIEL PATRICK, S.J, b. Oct. 15, 20; U.S. citizen. PSYCHOLOGY. Litt. B, Xavier (Ohio), 48; Ph.L. West Baden Col, 48, S.T.L, 55; fel, Loyola (Ill), 48-50, M.A, 51; Ph.D. (clin. psychol), Ottawa, 62. Teacher, parochial sch, Ohio, 50-51, dir. pub. rels, 57-58; ASSOC. PROF. PSYCHOL, XAVIER (OHIO), 58- Psychol. Asn; Acad. Relig. & Ment. Health. Social attitudes; personality theory. Publ: Retroactive inhibition as function of changing sets, J. Gen. Psychol, 54; The psychology of a personal ideal, 64 & The psychology of a personal ideal. Set in the consistency, 67, J. Relig. & Ment. Health. Address: Dept. of Psychology, Xavier University, Cincinnati, Ohio 45207.

FOLGER, DEAN JOHN K(ENNETH). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 5437 Camelot Rd, Brentwood, Tenn. 37027.

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FOOTE, PROF. CALEB. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

FOOTE, RICHARD J(AY). Econometrics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Prof., 68-, Dept. of Agriculture Economics, Texas Tech University, P.O. Box 4169, Lubbock, Tex. 79409.

FORBES, PROF. JACK D. Inter-Ethnic Relations. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Applied Behavioral Science, University of California, Davis, Calif. 95616.

FORD, DR. DEREK CLIFFORD, b. Bath, Eng. Apr. 24, 35; m. 58; c. 4. GEOGRAPHY, GEOLOGY. B. A. Oxford, 58, D. Phil. (geog), 63. Lectr. GEOG,
McMaster, 59-63; asst. prof., Calif. State Col. Los Angeles, 63-64; McMASTER, 64-68, ASSOC. PROF, 68-, ASSOC. MEM. GEOL, 65- Consult, Bristol
Waterworks, Eng., 63-66; Nat. Parks, Can, 65-; Dept. Energy, Mines & Resources, 69. Fel. Nat. Speleol. Soc. Can. Asn. Geog; fel. Royal Geog. Soc;
Glaciol. Soc. Physical nature and genesis of caverns: karst landforms and
groundwater systems. Publ: Features of cavern development in Central
Mendip, Trans. Cave Res. Group Gf. Brit, 68; Geomorphology of the SouthCentral Mendip Hills, Geologists Asn, 69; co-auth, Water budget studies in
karst aquiers, J. Hydrol, 69. Address: Dept. of Geography, McMaster University, Hamilton, Ont, Can.

FORD, DR. FRANK BERNARD. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Correction: Chief info. & mgt. sci. div, 68-, Office of the Secretary of Defense, Advanced Research Projects Agency (AGILE), RDFU-T, APO San Francisco, 96346.

FORD, DR. JOSEPH W, b. Pelham, N.Y, Oct. 5, 37; m. 66; c. 1. ECONOMICS. A.B., Fordham, 59, M.A., 61, Ph.D.(econ), 66. Instr. ECON, ST. FRANCIS (COL.(N.Y), 62-65, ASST. PROF, 65-4m. Econ. Asn; Am. Econ. Hist. Asn; Brit. Econ. Hist. Soc. Industrial & labor economics; economic history; economic doctrines. Publ.: The steel import problem, Fordham Univ, 61. Address: Dept. of Economics, St. Francis College, 180 Remsen St, Brooklyn, N.Y. 11201.

FORD, RICHARD IRVING. Anthropology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Curator ethnol, mus. of anthrop. & asst. prof, 69-, Dept. of Anthropology, University of Michigan, Ann Arbor, Mich. 48104.

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FORD, DR. WILLIAM FREITHALER, b. Huntington, N.Y. Aug. 14, 36; m. 60; c. 1. ECONOMICS. B.A, Texas, 61; M.A, Michigan, 62, Ph.D. (econ), 66. Economist, Rand Corp., 66-67; ast. prof. ECON, Virginia, 67-69; ASSOC.

PROF, COL. BUS. ADMIN, TEX. TECH, 69- Consult, Rand Corp, Calif, 67-U.S.N, 54-57. Econ. Asn. Economic problems of underdeveloped countries and of Latin America; economic history; systems analyses of government operations. Publ: Mexico's foreign trade and economic development, Praeger, 67. Address: Dept. of Economics, College of Business Administration, Texas Tech University, Lubbock, Tex. 79409.

FORER, DR. RAYMOND. Sociology, Anthropology. See A-K Vol, 11th ed. Soc. & Behav. Vols. Change of address: 1400 Washington Ave, Albany, N.Y. 12203.

FOREST, SISTER CECILE, F.S.E, b. Fitchburg, Mass, May 14, 22. SOCJ-OLOGY. B.A, Annhurst Col, 57; M.A, Fordham, 59, Ph.D. (sociol), 66. Instr. SOCIOL, ANNHURST COL, 62-67, ASST. PROF, 67-, CHMN. DEPT, 66-V. pres, Quinebaug Valley Health & Welfare Coun, Putnam, 66-68, 69-Sociol. Asn. College semiors' attitudes towards intermarriage; race relations, family, crime and delinquency; geronblogy for pre-retired and retired religious. Address: Dept. of Sociology, Annhurst College, Route 2, Woodstock, Conn. 6281.

FORGARTY, DR. WILLIAM J, b. Toronto, Ont, Nov. 18, 32; U.S. citizen; m. 58; b. 3. TRANSPORTATION & ENVIRONMENTAL PLANNING. B.S.C.E. Miami, 58; M.S.C.E. Purdue, 61, summers, PCA fel, 61, Nat. Sci. Found fels, 62-64; Nat. Sci. Found fels, 63-89; instr. CIVIL ENG, Purdue, 59-61; ASSOC. PROF, MIAMI, 61 - C.Eng, 52-54, 1st Lt. Environmental pollution; vehicular crash studies; transportation planning data requirements. Address: Dept. of Civil Engineering, University of Miami, Coral Gables, Fla. 33124.

FORGY, DR. EDWARD W(ILLIAM). Statistics, Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. mgt. sci, sch. of bus, San Fernando Valley State Col, 69- Address: 1024 Gretna Green Way, Los Angeles, Calif. 90049.

FORMAN, DR. HOWARD I(RVING). Chemistry, Law. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

FORMAN, PROF. ROBERT E(DGAR). Sociology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Prof. 69-, Dept. of Sociology & Anthropology, University of Toledo, Toledo, Ohio 43606.

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FORMBY, DR. JOHN PAUL, b. Carrollton, Ga, Feb. 12, 40; m. 60; c. 2. ECONOMICS. B. A. Colo. Col., 62; Nat. Defense Ed. Act & Woodrow Wilson fels, Colorado, 62-65, Ph.D.(econ), 65. ASST. PROF. ECON, Arkansas. 65-66; NORTH CAROLINA, 66- Nat. Sci. Found. fel, 66-67. Econ. Asst. Economic discrimination against minority groups; economic theory of discrimination. Publ: The extent of wage and salary discrimination against on-white labor, South. Econ. J. 10/68, reprinted in: Human capital and manpower development, Free Press/Macmillan, 70. Address: Dept. of Economics, University of North Carolina, Greensboro, N.C. 2*412.

PORSEY, DR. EUGENE ALFRED. b. Grand Bank, Newf, May 29. 04; m. 35; c. 2. POLITICAL SCIENCE. B.A. McGill, 25, M.A. 26, Ph.D. (polit. sci), 41, hon. LL.D, 66; B.A. Oxford, 28, M.A. 32; hon. LL.D. New Brunswick, 82; Saskatchewan, 67, Waterloo & Toronto, 68; hon. D. Litt, Memorial Univ, 66, Acadia, 67. Sessional lectr. econ. & polit. sci, McGill, 29-41; Guggenheim fel, 41-42; dir. res, CAN. LABOUR COMG, 42-66, DIR. SPEC. PROV, 66-Part-time sessional lectr. polit. sci, Carleton (Ont), 49-61 & 64-66, vis. prof, 66-70; Skelton-Clark fel, polit. sci, Queen's (Ont), 62-63; Can. Coun. grants, 64-66. Mem, Bd. Broadcast Gov, Can, 58-62; Ont. Adv. Cmt. Confederation, 66-70; bd. gov, Trent Univ, 66-71. Can. Polit. Sci. Asn. (pres, 61-62). Nova Scotia coal industry; royal power of dissolution of parliament in the British Commonwealth; cabinet government in Canada; Canadian trade union history. Publ: Economic and social aspects of the Nova Scotia coal industry, Macmillan, Toronto, 25; co-auth, Social planning for Canada, Nelson, Toronto, 35; auth, The royal power of dissolution of parliament in the British Commonwealth, Oxford, Toronto, 43 & 68. Address: 3 Lakeview Terr, Ottawa 1, Ont, Can.

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FORSYTHE, DR. DAVID P(REVATT), b. Gatesville, N.C, Nov. 22, 41; m. 66. POLITICAL SCIENCE. B.A, Wake Forest Col, 64; M.A, Princeton, 66, Woodrow Wilson fels, 66-68, Ph.D. [Politics), 68. ASST. PROF. POLIT. SCI, Agnes Scott Col, 67-69; GEORGIA STATE, 69. Carnegie Endowment for Int. Peace grant & res. assoc, Princeton Center Int. Studies, summer 68. Int. Studies Asm. United Nations; international politics and law. Publ. Co-auth, Issues before the 21st General Assembly, Int. Conciliation, 9/66; auth, UN intervention in conflict situations revisited, Int. Orgn, winter 68; United Nations peace making, Mid. E. Inst, (in press). Address: Dept. of Political Science, Georgia State University, Atlanta, Ga. 30303.

FORSYTHE, DR. EDWIN J. Industrial Relations, Economic History. See A.K.Vol, 11th ed, Soc. & Behav. Vols. New information: Also prof. mgt, Wayne State University, 1143 Mackenzie Hall, Detroit, Mich. 48202.

FORTENBERRY, PROF. CHARLES NOLAN. Political Science. Sec A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & head, 68-, Dept. of Political Science, Auburn University, Auburn, Ala. 36630.

FORTUNE, DR. HILDA O, b. Birmingham, Ala, Aug. 31, 13; m. 44; c. 1. SO-CIOLOGY, SOCIAL SCIENCE. A.B, Morgan State Col, 38; Atlanta Sch. Soc. Work, 41-42; Jessie S. Noyes & Delta Sigma Theta fels. & M.S, N.Y. Univ,

58, Warburg scholar & Ed.D., 63. Asst. exec. dir. soc. work agency, Baltimore Urban League, Md, 38-40; sr. supvr, training center, Nat. Youth Admin, Wilberforce, Ohio, 41-42; sr. counselor personnel dept, Wright Aeronaut. Corp, N.J., 42-45; dir. dept. employ, youth serv. vol. agency, YWCA, N.Y., 47-52; dir. community orgn, N.Y. & Westchester Urban Leagues, 52-63; asst. prof. guidance, Brooklyn Col., 63-68, ASSOC. PROF. SOCIOL, YORK COL. CITY UNIV. N.Y., 68- Mem. faculty &c. dir., Lab. Class Human Rels, N.Y. Univ, 38-68, mem. faculty sec. de, 68-69 & summers 65, 66; instr., Mt. Sinai Hosp. Sch. Nursing, 66 & 67; bd. ed, New York City In-Serv. Course, 67-68; summers, Dir. leadership training for African women, African-Am Inst, Conn. Col. Women, 64, dir, Workshop in Human Rels, Missouri-Kansas City, 64, 65. Consult, VISTA; President's Clm. Status of Women Nat. Voc. Guid. Asn; Personnel & Guid. Asn; Nat. Asn. Soc. Workers. Human relations. Publ. Shared leadership-new concepts, Walker, 65: Training manual, Block Communities, 66; Training Manual, Bd. Fund Ed, 69. Address: Division of Sociology, York College, City University of New York, 158-11 Jewel Ave, Flushing, N.Y. 11365.

FOSCHI, DR. MARTHA SANTI, b. Argentina, Dec. 7, 37; m. 62. SOCIOLOGY. B.A, Buenos Aires, 62; M.A, Stanford, 64, Ph.D. (sociol), 70. Lectr. SOCIOL, BRITISH COLUMBIA, 67-68, ASST. PROF, 68. Can. Coun. res, grant, 69-70. Am. Sociol. Asn; Can. Sociol. & Anthrop. Asn. Theory construction; experimental social psychology. Address: Dept. of Anthropology & Sociology, University of British Columbia, Vancouver 8, B.C, Can.

FOSDICK, DR. JAMES ALBERT. Mass Communications, Journalism. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

FOSS, DR. DONALD JOHN, b. Minneapolis, Minn, Mar. 28, 40; m. 65; c. 1. PSYCHOLOGY, PSYCHOLINGUISTICS. B.A., Minnesota, 62, Ph.D. (psychol), 66. Fel. psycholing, center cognitive studies, Harvard, 68-67; ASST. PROF. PSYCHOL, TEXAS, AUSTIN, 67- Psychol. Asn; Ling. Soc. Am; Psychonomic Soc. Cognitive processes. Publ: Co-auth, Decision processes during sentence comprehension: effects of surface structure on decision times, Perception & Psychophys, 5: 145-148; auth, Decision processes during sentence comprehension: effects of lexical item difficulty and position upon decision times, J. Verbal Learning & Verbal Behay, 8: 457-462; Some empirical constraints on models of language processing, In: The structure and psychology of language, Holt, (in press). Address: Dept. of Psychology, University of Texas at Austin, Austin, Tex. 78712.

FOSS, MURRAY F(ORREST). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Sr. staff economist, Coun. of Econ. Adv, Wash, D.C, 69-Address: 6209 E. Halbert Rd, Bethesda, Md. 20034.

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FOSTER, PROF. ARTHUR LORNE. Theology, Psychology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

FOSTER, DR. EDWARD M(ERVYN). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir. grad. studies, 69-, Dept. of Economics, University of Minnesotta, Minneapolis, Minn. 53455.

FOSTER, DR. GRACE RUTH. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Asst. ed. spec. issue on women, J. Soc. Issues. Address: Friendship, Maine 04547.

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FOUGHT, DR. JOHN GUY. Linguistics, Mayan Studies. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.

FOURNET, DR. GLENN P, b. St. Martinville, La, Nov. 19, 34; m. 54; c. 1. SOCIAL & INDUSTRIAL PSYCHOLOGY. B. A, La. State, 56, M. A, 64, Ph. D. (psychol), 67; B. D. New Orleans Baptist Theol. Sem. 59. Asst. coordinator, hosp. improv. proj. Cent. La. State Hosp. 65-67; ASST. PROF. PSYCHOL, EAST TEXAS STATE, 67 - Psychol. Asn. Job satisfaction group dynamics; community mental health; attitude surveying. Publ: Co-auth, Job satisfaction: issues and problems, Personnel Psychol, summer 66. Address: Dept. of Psychology, East Texas State University, Commerce, Tex. 75428.

FOWLES, DR. DON CHARLES, b. Little Rock, Ark, Feb. 15, 39; m. 68. PSY-CHOLDGY. B.S, Mass. Inst. Tech, 51, Nat. Merit & Gen. Motors Nat. Scholarships, 61-63; Woodrow Wilson & Nat. Inst. Ment. Health fels, Harvard, 63-65, M.A, 65, Ph.D. (psychol), 67. ASST. PROF. PSYCHOL, Oklahoma, 68-70; IOWA, 70-Psychol. consult, early clin. drug eval. unit, Cent. State Hosp, 69-70. AAS, Psychol. Asn; Soc. Psychophysiol. Res. Experimental psychopathology; psychophysiology. Publ: Co-auth, Endocrine factors in

Palmar skin potential, Psychonom. Sci, 10: 387-388, The effects of epidermal hydration and sodium reabsorption on Palmar skin potential, Psychol Bull, 73: 383-378 & Autonomic arousal in good and poor premorbid schizophrenics, Brit. J. Soc. & Clin. Psychol, 70. Address: Dept. of Psychology, University of lowa, Jowa City, Jowa 52240.

FOWLKES, EDWARD B, II. Statistics. See Suppl. VI to 11th ed, Phys. & Riol. Vols.

FOX, PROF. BETTE DANEMAN. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also adv. Russian Area Studies Prog, Madison Col, 70- Address: 420 Eastover Dr, Harrisonburg, Va. 2280.

FOX, DR. DANIEL MICHAEL. Modern History, Public Administration. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

FOX, PROF. DAVID J(OSEPH). Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, City Col. New York. Address: 139 Schraalenburgh Rd, Haworth, N.J. 07641.

FOX, DR. DOUGLAS MacMURRAY, b. New London, Conn, May 2, 40; m; c. 2. POLITICAL SCIENCE. B. A, Yale, 62; Nat. Center Ed. Polit. fel, Columbia, 65-66, Ph.D. (polit. sci), 68. Lectr. sociol, Pratt inst, 64-66; intern urban govt, migration div, Commonwealth of P.R, 65-66; N.Y. Regents col. teaching fel, 66-67; ASST. PROF. govt, Bowdoin Col. 67-69; POLIT. SCI, Florida Atlantic, 69-70; CONNECTICUT, 70- Bowdoin Col. Faculty Res. Fund fel, 68-69; lectr. Rhode Island, summer 67. Polit. Sci. Asn. Urban politics; formulation of American foreign policy; American and comparative national power structures. Publ. identification of community leaders, Sociol. & Soc. Res, 10/69; co-auth, House rules committee agenda sitting function, J. Polit. 57-07; auth, Methods within methods, West. Polit. Quart, 3/71. Address; Dept. of Political Science, University of Connecticut, Storrs, Conn. 06268.

FOX, PROF. E(DWARD) J(ACKSON). Marketing, Economics. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New information: Prof. mkt. & dir. exec. develop. prog. Miami (Fla), no longer chmn. dept. Address: 7855 S.W. 70th St, South Mlami, Fla. 33143.

FOX, ELLIOT M(ILTON). Political Science, Industrial Management. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Ph.D. Columbia, 70. Mgr. indust. mgt. serv, Am. Gas Asn, 69- Address: 48 Kings Ferry Rd, Montrose, N.Y. 10548.

FOX, GERALD J(ULIAN). Psychology, Human Engineering. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chief, life sci, Grumman Aerospace Corp, 69- Address: 4 Mystic Court, Stony Brook, N.Y. 11790.

FOX, DR. HAROLD W(ARNER), b. Berlin, Germany, Mar. 27, 23; U.S. citizen, m. 51. BUSINESS ADMINISTRATION, ECONOMICS. B. B.A, City Univ. New York, 49; M.B.A, Xaiver (Ohio), 57; Ph.D. (econ), Rutgers, 67. Sr. analyst, Jell-O Div, Gen. Foods Corp, 55-57; head mgt. serv, Rowe Div, Canteen Corp, 57-61; mem faculty bus. admin, grad. sch. Falrleigh Dickinson, 59-64; instr., Rutgers, 64-66; asst. prof, Upsala Col, 66-68; assoc. prof. MKT, Northern Illinois, 68-70; PROF. & CHMN. DETP. De PAUL, 70-U. S.A.A.F, 43-46. Mkt. Asn. Trading stamps; marketing planning and control; measurement of advertising effectiveness; role of internal consultants in business; stockholder relations; variable annuities. Publ: Co-auth, Financial management, Houghton, 63; auth, The economics of trading stamps, Pub. Affairs, 68 & Inflation—an economic maladjustment, Bur. Bus. Res, Northern Illinois Univ, 69. Address: Dept. of Marketing, De Paul University, 25 E. Jackson Blvd, Chicago, Ill. 60604.

FOX, DR. JOHN NIXON, b. Crescent, Okla, Sept. 18, 32; m. 55; c. 4. HUMAN FACTORS. B.S. Oklahoma, 55, M.S., 62; Nat. Safety Found, fels, California, Los Angeles, 65-66, Ph.D. (human factors), 67. Consult. eng. mgt, 58-61; univ. engr., Oklahoma, 61-62; sr. res. specialist, N.Am. Rockwell Corp, 62-68; ASST. PROF. EMG. SCI, TEXAS, ARLINGTON, 68- Instr. man-machine systs, California, Los Angeles, 65-66. Consult, LTV Aerospace Corp, summer 69. U.S.A. F, 55-58, Capt. Human Factors Soc; Inst. Aeronaut. & Astronaut, Nat. Soc. Prinl. Eng. Soc. Eng. Ed, Inst. Indust. Eng. Visual perception and applications to aerospace design, behavioral science in management and industry. Address: Dept. of Engineering Sciences, University of Texas at Arlington, Arlington, Tex. 76010.

FOX, PROF. JOHN ROBIN, b. Keighley, Eng. Aug. 29, 34; m. 57; c. 3. AN-THROPOLOGY. B.Sc. London, 57, Ph.D.(anthrop), 65; Harvard, 57-59. Leetr. soc. anthrop, Exeter, 59-63; London Sch. Econ, 67; PROF. ANTHROP. & CHMN. DEPT, RUTCERS, 67- Malinowski men. leetr, Univ. London, 67; Nat. Inst. Ment. Health spec. fel, 70. Fel. Am. Anthrop. Ash. Am. Ash. Phys. Anthrop; fel. Royal Anthrop. Inst. G. Brit. & Ireland; fel. Zool. Sc. London, 1997,

FOX, DR. KEVIN A. Comparative Pathology, Behavioral Endocrinology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

FOX, DR. RENEE CLAIRE. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. sociol. & psychiat, 69-, Dept. of Psychiatry, University of Pennsylvania, Piersol Bidg. 200, Philadelphia, Pa. 19104

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- FRAENKEL, DR. WILLIAM A. Psychology, Rehabilitation. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. cmnr. for ment. retardation, 69-, Massachusetts Dept. of Mental Health, 190 Portland St, Boston, Mass. 02114.
- FRAGER, DR. ROBERT, b. New York, N.Y. June 20, 40; m. 68; c. 1. PSY-CHOLOGY. B.A. Reed Col, 61, Woodrow Wilson fel, 61-62; univ. grant, East-West Center, Univ. Hawaii, 64-66; Ph.D. Isoc. psychol), Harvard, 67. Nat. Inst. Ment. Health res. grant, 67-68; vis. lectr. PSYCHOL, California, Berkeley, 68-69; ASST. PROF, CALIFORNIA, SANTA CRUZ, 69- Japanese Soc. Social Psychol. Japanese psychology; conformity; positive mental and physical growth; psychology of religion; meditation. Publ: Commitment to action taking as a consequence of cognitive dissonance, J. Personality & Soc. Psychol, 76. Soc. Psychol, 65; The psychology of the samurai, Psychol. Today, 1/69; Concornity and anti-conformity in Japan, J. Personality & Soc. Psychol, 70. Address: Merrill College, University of California, Santa Cruz, Calif. 95060.
- FRAM, PROF. EUGENE H. Marketing. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 68-, College of Business, Rochester Institute of Technology, 1 Lomb Memorial Dr., Rochester, N.Y. 14623.
- FRAMO, DR. JAMES L(AWRENCE). Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chief family ther. & training unit, Thomas Jefferson, 69- Address: 342 Merion Rd, Merion, Pa. 19066.
- FRANCIS, DR. KARL E (ARVIL), b. Wilmington, Del, Jan. 1, 36; m. 62; c. 1. GEOGRAPHY. B.S, Pa. State, 59; M.S, Oregon State, 65; Ph.D. (geog), Wisconsin, Madison, 68. Res. asst, geoples, inst, Alaska, 61-62; asst, prof. GEOG, San Fernando Valley State Col, 66-69, ASSOC. PROP, TORONTO, 69-U.S.A, 59-61. Asn. Meog; Can. Asn. Geog; Cartctin Inst. N.Am. Human adaptation to northern environments; northern resource development; arctic transport systems; resources and pollution. Publ: Co-auth, Nuclei in snow and ice crystals on the Greenland ice cap, J. Atmospheric Sci. 62; Outpost agriculture: the case of Alaska, Geog. Rev. 10/67; Decline of the dogsled in villages of Arctic Alaska, Yearbook Asn. Pac. Coast Geog, 69. Address: Dept. of Geography, University of Toronto, Toronto 5, Ont. Can.
- FRANCISCO, DR. ALICE ENDERTON, b. West Point, N.Y., June 24, 33; m; c. 3. ANTHROPOLOGY. B.A. California, Berkeley, 65, Kofoid fel, 65-66, Nat. Defense Ed. Act fel, 66-69, Ph.O. (anthrop), 69 ASST. PROF. AN-THROP, STATE UNIV. N.Y. COL. CORTLAND, 69-Anthrop. Assn. Soc. Am. Archeol; Inst. Andean Studies. Archeology and ethnology of Ecuador; folk-lore; culture change. Address: Dept. of Anthropology, State University College of New York at Cortland, Cortland, N.Y. 1304.
- FRANCISCO, PROF. NOEL. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Wisconsin State University, Superior, Wis. 54880.
- FRANCK, DR. ISAAC. Philosophy, Sociology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- FRANK, PROF. FREDERICK ANTHONY, b. Flushing, N.Y., July 11, 27; m. 54; c. 7. EDUCATIONAL PSYCHOLOGY, MANAGEMENT SCIENCES. A. B. Fordham, 50, M.A., 51. Social investigator, New York City Welfare Dept, 52-54, employ. interviewer, N.Y. State Dept. Labor, 54; mgt. intern. Dept. Navy, 54-55, mgt. analyst, 55-61; cit. personnel, Atomic Energy Cmn. 61-65, personnel analyst, 65-67; ANALYST, OFF. MGT. DEVELOP, NASA, 67-; ADJ. PROF. PSYCHOL. & CHM. DIV. SOC. SCI, SOUTHERASTERN UNIV, 67-, lectr. mgt, 66-67. U.S.N, 45-46. Education and training in the psychological and behavioral science aspects of management and business; effectiveness of written and audiovisual material in communication, especially management communication. Address: Division of Social Sciences, Southeastern University, Washington, D.C. 20006.
- FRANK, DR. GEORGE H(UGH). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 68-, Dept. of Psychology, New York University, 21 Washington Place, New York, N.Y. 10003.
- FRANK, DR. HARRY, b. Riverside, Calif, Nov. 24, 42; m. 65. PSYCHOLOGY. A.B. California, Berkeley, 65; M.A. Colorado, 68, Nat. Inst. Ment. Health fel, 88-69, Ph.D. (logychol), 69. ASST. PROF. PSYCHOL, FLINT COL, MICH. IGAN, 69- U.S.N.R., 60-67. AAAS. Conceptual differentiation and development; acquisition of identity, attitudes and values; problems of creativity, abstractness and flexibility; genetics of personality and retardation, social behavior of carmivores. Publ: Co-auth, Resistance to temptation, gull following yielding, and psychopathology, J. Consult. & Clin. Psychol, 68 & A multivariate behavioral approach to the genetic/etiological diagnosis of mental retardation, Multvariate Behavi. Res., 469. Address: Dept. of Psychology, Plint College, University of Michigan, 1321 E. Court St, Flint, Mich. 4803.
- FRANK, DR. LAWRENCE K(ELSO). Psychology. See 11th ed, Soc. & Behav. Vols. deceased 68.
- FRANK, LEWIS A(LLEN), b. Silver City, N.Mex, Jan. 16, 38. ECONOMICS, OPERATIONS RESEARCH. B.A, California, Los Angeles, 60, M.A, 62; Indust. Col. Armed Forces, 69. Economist, Inst. Defense Anal, Va, 63-64; CONSULT. NAT. DEFENSE STUDIES, Bendix Corp, Mich, 64-66; STANFORD RES. INST, D.C. 67-; ECONOMIST, ANAL. SERV, INC, VA, 69-Guest lectr, Mil. Opers. Res. Symp, San Diego, Calif, 69. Consult, Bolt, Beranek & Newman, Mass, 65-; Battelle Mem. Inst, D.C. 70. Ord. Asn; Acad. Polit. & Soc. Sci. Investigation of the Political, Social and economic effects of new military and defense programs; causes and cures of national breakdown and internal disorder. Publ: The arms trade in international relations, Praeger, 69; Nuclear weapons development in China, Bull. Atomic Scientists, 1/66 & ABM and non-proliferation, Orbis, spring 67. Address: 2121 P.St. N.W, Apt. PH-21, Washington, D.C. 20037.

- FRANK, PROF. ROBERT LEE, b. Lincoln, Nebr, Sept. 29, 31; m. 56; c. 2. COUNSELING. B.S.Ed, Nebraska, Lincoln, 53, M.Ed, 57, Ed.D. (sec. ed. guid. & counseling), 64; Michigan, 59-60. Teacher & counsr, pub. schs, Nebr, 55-58; coord. guid. serv., Shelby County Sch. Syst, Jowa, 56-59, asst. prof. psychol. & counsr. ed., Northern State Col, 60-62; asst. prof. COUNSR. Ed., NORTHERN IOWA, 62-66, assoc. prof. 69-70, PROF, 70- Vis. prof. Univ. Hawaii & Univ. New Mexico, summer 67. U.S.A.F, 53-55. Personnel & Guid. Asn; Nat. Voc. Guid. Asn. Elementary guidance; group process; affective education. Publ: Co-auth, Counseling effectiveeness, in: Research guidelines for secondary school counselors, Col. Entrance Exam. Bd. 68. Address: Dept. of Counselor Education, University of Northern Iowa, Cedar Falls, Iowa 30613.
- FRANKEL, DR. A. STEVEN, b. New York, N.Y. Aug. 13, 42; m. 67. CLINI-CAL PSYCHOLOGY. B.S, Vermont, 64; U.S. Pub. Health Serv. fel, Indiana, Bloomington, 67, Ph.D. (clin. psychol), 68. Res. asst. psychol, Indiana, 64-67; intern psychologist, psychiat. inst, Columbia Univ. Med. Center, 67-68; ASST. PROF. PSYCHOL, SOUTHERN CALIFORNIA, 68-; RES. PSPCIALIST, PAC. STATE HOSP, POMONA, 69- Psychol. Asn, assoc. Asn. Adv. Behast. Pher. Experimental psychopathology; human territoriality; self-esteem; human aggression. Publ: Verbal conditioning of common associations in long term schizophrenics: a failure, J. Abnorm. Psychol, 8/69; Aftitudes toward a group as a function of self esteem group achievement level, and success or failure on a group relevant task, Proc. Am. Psychol, Asn. Conv., 9/69; Effects of arousel on hierarchically organized responses, J. Exp. Psychol, 12/69. Address: Dept. of Psychology, University of Southern California, University Park, Los Angeles, Calif. 90007.
- FRANKEL, DR. FRED H(AROLD). Psychiatry. See Suppl. V & VI to 11th ed, Phys. & Biol. Vols.
- FRANKEL, DR. PHYLIS M. (MRS. JAY), b. Chicago, Ill, July 24, 30; m. 51; c. 2. COUNSELING PSYCHOLOGY. B.S, Northwestern, 53, M.A, 58, fel, 67-68, Ph.D (counseling psychol), 69. Teacher, pub. sehs, Chicago, Ill, 33-54; counseling psychologist, Chicago Bd. Ed, 58-61; Univ. Illinois, 63-67; ASST. PROF. PSYCHOL. & DIR. PSYCHOL. SERY, LAKE FOREST COL, 68- Lake Forest Col. res. grant, 69. Psychol. Asn; Personnel & Guid. Asn. Sex role attitudes and the development of goal-oriented behavior in women; student perceptions of counseling service function; personality characteristics related to drug usage and radical political values. Address: 95 Lakeside Place, Highland Park, Ill. 60035.
- FRANKEL, DEAN S(AUL) J(ACOB). Political Science. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position & address: Dean, 69-, Faculty of Social Sciences, McMaster University, Hamilton, Ont. Can.
- FRANKLIN, DR. CHARLES BENJAMIN, JR. b. Jacksonville, Fla, Mar. 17, 17; m. 47; c. 2. ECONOMICS, FINANCE. B.S, Florida, 39, Ph.D.(econ), 65; M.S. Fla. State, 56. Salesman, Bankers Life & Casualty, Tex, 53-54; field underwriter, Peninsular Life Ins. Co. Fla, 54; asst. econ, Fla. State, 54-57. Instr., 58-60; asst. bus. admin, Florida, 57-58; asst. prof. econ. & bus. admin, Auburn, 60-63; insterim asst. prof. econ, Florida, 63-64; asst. prof. ACCT. & FINANCE, FLORIDA ATLANTIC, 64-67, ASSOC PROF. & ASST. CMIN. DEPT, 67- Wage & salary consult, City of Gainesville, Fla, 57-58 & Broward County Mfrs. Asn, 67-69; v.pres. & treas, Int. Data Interchange, Inc. & consult, West. Union Comput. Utilities, 69-70. Cham. & auth. Task force goals & objectives of college of business of Florida Atlantic Univ. U.S.A, 41-45, 49-33, 1st Lt. Mgt. Asn. Wage and salary system; stock options; systems for financial institutions. Publ: Co-auth, Puts and calls: a factual survey, 3/58, Reply to Kruizenga, 3/59 & auth, The treatment of security holders under the absolute priority rule in corporate reorganization, 12/66, J. Finance. Address: College of Business & Public Administration, Florida Atlantic University, Boca Raton, Fla. 33432.
- FRANKLIN, PROF. MARC A. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- FRANKLIN, PROF. MITCHELL. Law. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos, Relig. & Law.
- FRANKMANN, PROF. RAYMOND W(INTER). Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & assoc. chmn, 69-, Dept. of Psychology, Michigan State University, Olds Hall, East Lansing, Mich. 48823.
- FRANKS, DR. VIOLET. Experimental & Clinical Psychology. See A.-K Vol. 11th ed, Soc. & Behav. Vols. New information: Practicing psychologist, 66-Address: 315 Prospect Ave, Princeton, N.J. 08540.
- FRANTZ, PROF. CHARLES. Social Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 68-, Dept. of Anthropology, State University of New York at Buffalo, 4242 Ridge Lea Rd, Amherst, N.Y. 14226.
- FRARY, DR. ROBERT BARNES, b. Philadelphia, Pa, July 21, 33; m. 56; c. 2. EDUCATIONAL & PSYCHOLOGICAL MEASUREMENT. B.LE. Florida, 55; M.A., Miami (Fla), 61; Ph.D.(ed. res. & testing), Fla. State, 68. Methods & systs. analyst, Eastman Kodak Co, 55-59; teacher, pub. schs, Fla, 59-64; math, Miami-Dade Jr. Col. 64-65; res. asst. ed. res. & testing, Fla. State, 65-68; DR. BUR. MEASUREMENT & RES. MAMN (FLA), 68-Consult, Munic. Sch. Dist, Gulfport, Miss, 69. Ed. Res. Asn; Math. Asn. Am; Psychomet. Soc. Mathematical foundations of mental test theory, especially guessing on multiple-choice tests. Publ: Co-auth, Enhancement of educational effect through extensive and intensive intervention, Munic. Sch. Dist, Gulfport, Miss, 69; auth, Elimination of the guessing component of multiple-choice tests corres: effect on reliability and validity, 69 & co-auth, Effect of variation in probability of guessing correctty on reliability of multiple-choice tests, 70, Ed. & Psychol. Measurement. Address: Bureau of Measurement & Research, University of Miami, Coral Gables, Fla. 33124.

FRASER, DR. JOHN G, b. Chicago, Ill, Aug. 6, 38; m. 65; c. 1. POLITICAL SCIENCE. A.B., Illinois, 63, A.M. 65, Garner fel, 66-67, Ph.D. (polit. sci), 68. ASST, PROF. POLIT. SCI, Carleton (Ont), 67-68; KENTUCKY, 68-, summer faculty res. fel, 69. U.S.N., 56-59. Polit. Sci. Asn. Psychological bases of political behavior; philosophy of political science. Publ: The mistrustful efficacious and political participation, J. Politics, 570. The impact of community and regime orientations on choice of political system, Midwest J. Polit. Sci. 870. Address: Dept. of Political Science, University of Kemlucky, Lexington, Ky. 40506.

FRASER, DR. J(OHN) KEITH. Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Exec. secy. nat. adv. cmt. geog. res., policy & planning br, Dept. Mines & Resources, Can, 68- Address: 571 Fraser Ave, Ottawa 13, Ont, Can.

FRATCHER, PROF. WILLIAM F(RANKLIN). Law. See 5th ed, Dir. Am. Scholars, Vol. 1V, Philos, Relig. & Law.

FRAZIER, PROF. LOIS ELIZABETH, b. Spray, N.C., June 20, 20. BUSINESS, ECONOMICS. B.S. Women's Col., North Carolina, 42; M.S., North Carolina, 48; South, Fels. Fund summer grant, Indiana, 56, Ed.D. (bus. ed.), 61. Teacher, high sch, N.C., 42-44; head dept. bus, Brevard Col., 44-46, 47-52, asst. bus. ed., Women's Col., North Carolina, 46-47, Instr. econ., 52-53; assoc. prof. bus, Flora Macdonald Col., 53-54; PROF. BUS. & ECON. & CHIN. DEPT. MEREDITH COL., 54-8. Summer fel., econ-in-action prog, Case West. Reserve, 69. Consult, Accrediting Cmn. Bus. Schs., 66-70. Chmn. res. & ed. cmt, Bus. & Prin. Women's Found, 63-66. Nat. Bus. Ed. Asn. Admin. Mgt. Soc. Office management; business law; business communication; methods of teaching business education. Address: Dept. of Business and Economics, Meredith College, Raleigh, N.C. 27602.

FRAZIER, DR. THOMAS W(AYNE), b. Charleston, III, Dec. 23, 35: m. 60; c. 2. EXPERIMENTAL PSYCHOLOGY. B.S, Bradley, 57, M.A, 58; Ph.D. (psychol), Fla. State, 66. Intern clin. psychol, Vet. Admin. Center, Kecoughtan, Va, 61-62: exp. psychologist, Manned Spacecraft Center, NASA, 62-66. CHIEF DEPT. PSYCHOPHYSIOL, WALTER REED ARMY INST. RES, 66., leetr, mil. med. training course, 67-69. Dir. print. activities, Behav. Tech. Consult, Inc. 69- Consult, Manned Spacecraft Center, NASA, 68-69; U.S. Vet. Admin. 69: U.S. Pub. Health Serv. & State Dept. Health, Mq. To. Group achievement award, Proj. Gemin Prog. 64. Psychol. Asn. Psychophysiology of behavior stress; performance decrement, human vigilance; behavior modification; conditioning processes. Publ: Avoidance conditioning of heart rate in humans, 66 & Psychophysiology of conditioned emotional disturbances, 69, Psychophysiology; Control of human vigilance by concurrent schedules, J. Exp. Anal. Behav, 69. Address: Dept. of Psychophysiology, Walter Reed Army Institute of Research, Washington, D.C. 20012.

FREDERICK, DR. CALVIN J(EFFERSON). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 10500 Rockville Pike, Apt. 809, Rockville, Md. 20852.

FREDERICK, DR. HARRIETT ELIZABETH, b. Champaign, Ill, Nov. 26, 06; m. 33; c. 5. PSYCHOLOGY, SPECIAL EDUCATION. A.B. Northwest. State Col., 26; M.A., Illinois, 30, Ph.D. (deaf ed), 65; M.A., Louisville, 60. Teacher, pub. schs., La, 26-29; high sch, Ill, 29-33; home teacher, Louisville Pub. Schs., Ky, 46-56, teacher deaf oral classes, 56-63, sch. psychologist, 64-66, supyr., spec. ed, 66-67, sch. psychologist, 67; ASSOC. PNOF. & FANCE. & FSYCHOL. CONSULT. SPECCH & LANG. DISORDERS & ED. PHYS. HANDI-CAPPED, NORTHWEST. STATE COL., 67- Res. sst., Illinois, 50, 61-62 & 63-64; lectr., Louisville, 62-67; summers, speech & hearing therapist, Ky. Soc. Crippled Children, 60-62. Psychol. Asn; Speech & Hearing Asn; Asn. Children Learning Disabilities; Coun. Except. Children. Language development and language disorders in children, especially deaf, brain injured or emotionally disturbed children. Address: Special Education Center, Northwestern State College, Natchiotoches, La. 71457.

FREDERICKSON, DR. WILLIAM A, b. Sidney, Iowa, June 9, 34; m. 58; c. 1. PSYCHOLOGY. B.A, Willamette, 56; M.A, Baylor, 57; Ed.D. (ed. psychol, measuremeth), Oklahoma, 67. Instr. psychol, Southwestern Louisiana, 57-58; res. psychologist, Adj. Gen. Res. & Develop. Command, Dept. Army, 58-61: Instr. PSYCHOL, Southwestern Louisiana, 61-64; CENT. STATE COL. (OKLA), 64-66, asst. prof., 66-67, ASSOC. PROF., 67-, CIMN. DEPT, 68-U.S.A, 58-61, 1st Lt. Human learning; psychometrics; social psychology, Address: Dept. of Psychology, Central State College, Edmond, Okla. 73034.

FREDERIKSEN, DR. JOHN R, b. Feb. 15, 41; U.S. citizen; m. 65. PSYCHOL-GOGY B.A, Harvard, 63; M.A, Princeton, 65, Ph.D.(psychol), 66. Res. fel. PSYCHOL, Center Cognitive Studies, Harvard, 66-67; res. assoc, Mass. Inst. Tech, 67-68; ASST. PROF, BRANDEIS, 68- AAAS; Psychol. Asn; Psychomet. Soc. Experimental studies of perception and memory; psychological scaling methods; cognitive processes; mathematical psychology. Publ: Cognitive factors in the recognition of ambiguous auditory and visual stimuli, J. Personality & Soc. Psychol. Monogr, 67; Response perseveration in auditory word recognition, J. Exp. Psychol, 19; 48-55. Address: Dept. of Psychology, Brandeis University, Waltham, Mass. 02154.

FREDIAN, DR. ALAN J(AMES). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also dir, inst. indust. rels, Loyola (III), 69-Address: 820 N. Michigan, Chicago, III. 60611.

FREDLUND, DR. MELVIN C, b. Tacoma, Wash, Aug. 15, 36; m. 55; c. 3. ECONOMICS. B.A, Washington (Seattle), 65, M.A, 67, Ph.D.(econ), 68. ASST. PROF. ECON, WAYNE STATE, 68. U.S.A.F., 56-60. Econ. Asn. Theoretical and empirical research in area of managerial discretion models of firm behavior and effects on structure and performance of industries. Address: 10074 Vernon, Huntington Woods, Mich. 48070.

FREDMAN, H. B. Anthropology, History. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Sr. analyst, opers. eval. group, Center Naval Anal, 68- Address: 1827 Panorama Court, McLean, Va. 22101.

FREED, DR. STANLEY A(RTHUR). Cultural Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also acting chmn, 69-, American Museum of Natural History, Central Park West at 79th St, New York, N.Y. 10024.

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FREEDMAN, DR. DAVID ASA. Neurology, Psychiatry. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

FREEMAN, DR. DAVID MEADOWS, b. Glendive, Mont, Jan. 27, 39; m. 60; c. 3. INTERNATIONAL RELATIONS, POLITICAL SCIENCE. B.A, Rocky Mt. Col, 61; H.J. Heinz fel, Pittsburgh, 61-62, M.P.I.A, 64; univ. fel, Denver, 64-67, Ph.D. (int. rels), 67. Progs. officer, Peace Corps, India, Ceylon & Nepal, 62-64; ASST. PROF. SOCIOL OF DEVELOP, COLORADO STATE, 67-Polit. Sci. Asn; Soc. Int. Develop. Sociology of unplanned and planned change; social conflict; public policy formulation and execution. Address: Dept. of Sociology, Colorado State University, Ft. Collins, Colo. 86521.

FREEMAN, DR. JAMES MONTAGUE, b. Chicago, III, Dec. 1, 38; m. 68. SO-CIAL ANTHROPOLOGY. B. A, Northwestern, 58; fel, Harvard, 58-59, M. A, 64, Ph.D. (anthrop), 68. ASST. PROF. humanites, SAN JOSE STATE COL. 66, ANTHROP, 66- Anthrop. Asn; Asn. Asian Studies. Religion and myth: political anthropology; social change in South Asia. Publ: Myth and metaphysics in Indian thought, Monist, 10'-66. Address: Dept. of Anthropology, San Jose Calli. 95114.

FREEMAN, DR. JOAN E. Archeology, Museology. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position: Archeologist, State of Wis, 65- Address: 1205 W. Midvale Blvd, Madison, Wis. 53711.

FREEMAN, DR. JOHN A. Neurophysiology, Biophysics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

FREEMAN, PROF. JOHN ALBERT, b. Keota, Okla, Jan. 15, 20; m. 52, c. 2. PSYCHOLOGY. B.A. Ouachita Baptist Col, 41; Th.M., South. Baptist Theol. Sem, 45; M.A. Okla. State, 54, Ed. D. (ed. psychol), 56. Asst. prof. psychol, Oklahoma Baptist, 53-56; assoc. prof. Wayland Baptist Col, 56-60; res. assoc. parapsychol, Duke, 60-64; Inst. Parapsychol, 64-65; PROF. PSY-CHOL. CAMPBELL COL.(N.C), 66- Res. fel, parapsychol, lab, Duke, 60-63, Design and administration of test booklets in parapsychology, especially prediction of scoring direction based on intellectual differences, sex differences and target material. Publ. Co-auth, Sex differences and primary mental abilities in a group precognition test, 68 ft. psp. sidfferential effect in a precognition test, 69, J. Parapsychol. Address: 1614 University Dr. Durham, N. C. 27707.

FREEMAN, PROF. LINTON C. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Sociology, University of Hawaii, Honolulu, Hawaii 96822.

REEMAN, DR. MILTON M(ALCOLM) ROLAND), b. London, Eng. Apr. 23, 34, m. 67; c. 3. ANTHROPOLOGY, ECOLOGY, B.Sc, Reading, 56, B.Sc, 57; Carnegic Arctic scholar, McGill, 36 69, Ph.D. decol., 65; b. London, 62-64. Fish, east of the property of

FREEMAN, DR. RICHARD BARRY, b. New Windsor, N.Y, June 29, 44. ECO-NOMICS. B.A, Dartmouth Col, 63; Ph.D, Harvard, 68. ASST. PROF. ECON, Yale, 68. 69; Harvard, 69-70; CHICAGO, 70. Labor, research and development economics. Publ: Co-auth, Population labor force and unemployment in chronically depressed areas, U.S. Gout. Printing Off, 64 & Labor economics, Prentice-Hall, (in press); auth, The labor market for high-level manpower, Harvard, (in press). Address: Dept. of Economics, University of Chicago, Chicago, Ill. 60637.

FREEMAN, ROBERT B(URNS), JR. Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prd, 68-, Dept. of Psychology, Pennsylvania State University, University Park, Pa. 16802.

FREEMAN, DR. ROBERT E(DWIN), b. Fargo, N.Dak, Jan. 28, 16; m. 38; c. 4. ECONOMICS. B.S, Minnesota, 36; M.S, Connecticut, 37; Harvard, 37-38; Ph.D. (agr. econ), Purdue, 64. Economist, Commodity Credit Corp, U.S. DEPT. AGR., 38-44, procedure officer naval stores mkt, Prod. & Mkt. Admin, 46-50, mkt. specialist, Agr. Mkt. Serv, 96-63, res. economist, ECON. RES. SERV, 63-67, GROUP LEADER RURAL HOUSING, 67- Instr, Maryland, 65- U.S.N.R., 44-46, Lt. (g). Econ. Asn. Agr. Econ. Asn. Agri-cultural marketing: economic development. Publ: Roles of farm production and marketing margins on postwar decline in farm prices, J. Farm Econ, 7/66; Farm retail price spreads for dairy products, 1939-66, 6/67 & Geographic pattern of fluid milk prices, 4/68, U.S. Dept. Agr. Address: 1021 Arlington Blvd, Apt. J-843, Arlington, Va. 22209.

- FREILICH, PROF. MORRIS. Cultural Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New publ: Ed, Marginal natives: anthropologists at work, Harper & Row, 70. Address: Dept. of Sociology & Anthropology, Northeastern University, Boston, Mass. 02115.
- FREITAG, DR. GILBERT, b. Atlantic City, N. J. Mar. 30, 41; m. 63; c. 3. CLINICAL PSYCHOLOGY. B. A, California, Los Angeles, 63; M. A, Yale, 65, Ph. D. (clin. psychol), 68. ASST. PROP. CLIN. PSYCHOL, CALIFORNIA, LOS ANCELES, 68. Child psychopathology; social responsiveness of autistic children; community mental health. Publ: Co-auth, Experimental studies in childhood schizophrenia: analysis of self-destructive behavior, 65, Establishment of social reinforcers in two schizophrenic children on the basis of 60d, 66 & An experimental study of the social responsiveness of children with autistic behaviors, 70, J. Exp. Child Psychol. Address: Dept. of Psychology, University of California, 405 Hilgard Ave, Los Angeles, Calif. 90024.
- FREITAG, DR. MELVIN. Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Mem. tech. staff, Logicon, Inc, 69- Address: 1910 Shire Dr, El Cajon, Calli 30202.
- FREITHALER, DR. WILLIAM O. Economics. See FORD, DR. WILLIAM FREITHALER, this Suppl.
- FRENCH, DR. EDWARD L(IVINGSTONE). Psychology. See 11th ed, Soc. & Behav. Vols, deceased 69.
- FRENCH, PROF. JOHN W(INSLOW). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also res. consult, 69-, New College, Sarasota, Fla. 33578.
- FRENCH, PROF. WENDELL LOWELL. Industrial Psychology & Relations. See A.-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 17364 Beach Dr. N.E. Seattle, Wash, 98155.
- FRESCHI, DR. VINCENT JOSEPH. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Psychol. consult, St. Gabriels Hall, 69-Address: 1424 Rollinview Dr. West Chester, Pa. 19380.
- FRETWELL, DR. STEVE D. Population Ecology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- FRETZ, DR. BRUCE R. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 68-, Dept. of Psychology, University of Maryland, College Park, Md. 20742.
- FREUD, DR. SHELDON L(EE). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir, Freud Associates, consult. psychologists, 69- Address: 5108 26th Ave, Washington, D.C. 20031.
- FREUDENBERGER, DR. HERBERT J(USTIN). Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. prof, N.Y. Univ. Address; 890 Park Ave, New York, N.Y. 10021.
- FREUND, DR. GERALD. Political Science, History. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Consult. to pres. for planning in creative & performing arts, Yale, 69:-j. consult. humanities & soc. sci. & arts, Rockefeller Found. Address: Yale University, 304 Strathcona Hall, New Haven, Conn. 06520.
- FREUND, DR. LUDWIG F(RANZ). Political Science. See A-K Vol, 11th ed, Soc. & Behav, Vols. Change of address: Bevenser Weg 10, Appt. B 407, 3 Hannover-Kleefeld, W.Germany.
- FREY, DR. M. WILLIAM, II. Management Science, Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Ph.D.(bus. admin), Pa. State, 63. Assoc. prof. mgt, & dir, M.B.A. prog, 68-, School of Business, University of Massachusetts, Amherst, Mass. 01002.
- FREY, DR. PETER WILLIAM, b. Corning, N.Y, May 19, 42; m. 64; c. 1.
 PSYCHOLOGY, B.A. Yale, 64; M.A. Wisconsin, 66, Ph. D. (psychol), 68.
 ASST. PROF, PSYCHOL, NORTHWESTERN, 68- Nat. Inst. Ment. Health
 res. grants, 69-72. AAAS; Psychonomic Soc. Pavlovian conditioning an
 animals; central stimulation and learning; mathematical models of learning.
 Publ: Differential conditioning of the rabbit eyelid response with an examination of Pavlov's induction hypothesis, J. Comp. Physiol. Psychol, 64: 277283; Magnesium pemoline: effect on avoidance conditioning in rats, Science,
 155: 1281-1282; Differential rabbit eyelid conditioning as a function of age,
 interstimulus interval, and ce similarity, J. Exp. Psychol, 81: 326-333.
 Address: Dept. of Psychology, Northwestern University, Evanston, III. 60201.
- FREY, DR. ROGER B(URNHAM). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Acting dir. 69-, South Campus, University of Maine, Bangor Hall, Bangor, Maine 04401.
- FRIED, DR. PETER ALEXANDER, b. Chester, Eng. Dec. 15, 43; Can. citizen; m. 58. PHYSIOLOGICAL PSYCHOLOGY. B.sc, McGill, 64; M.A. Waterloo, 65, Ph.D (nysyhol), 67. ASST, PROF, PSYCHOL, CARLETON (ONT), 68. Nat. Res. Coun. grant, 68-69; Med. Res. Coun. res. grant, 68-70. Approach-Avoidance conflict in children and subduman species; the physiological correlates of conflict resolution. Publ: Co-auth, The effects of hippocampal lesions at different stages of conflict in the rat, Physiol. & Behav, 2: 325-330; auth, Effects of septal lesions on conflict reduction in rats, J. Comp. & Physiol. Psychol, 69: 375-380; Case study: restoration of binocular vision to a functionally monocular sighted adult, Perceptual & Motor Skills, 30: 939-943. Address: Dept. of Psychology, Carleton University, Ottawa, Ont, Can.
- FRIEDBERG, DR. F(RANK) TED, b. Houston, Tex, Aug. 13, 38; m. 60; c. 3. CLINICAL PSYCHOLOGY. B.S, North Texas State, 60, M.S, 61; Ph.D. (psychol), Georgia, 68. Staff psychologist, Cent. La. State Hosp. Pineville, 61-

- 63; E.La. State Hosp, Jackson, 64-65; ASST. PROF. PSYCHOL, SOUTH-WESTERN LOUISIANA, 68- Part-time staff psychologist, Lafayette Ment. Health Center, 67- Psychol. Asn. Individual psychotherapy. Address: 105 Grace Ave, Lafayette, La. 70501.
- FRIEDELL, DR. MORRIS F. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address; Assoc. porf, 69-, Dept. of Sociology, University of California, Santa Barbara, Calif. 93106.
- FRIEDLAENDER, DR. JONATHAN SCOTT. Physical Anthropology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- FRIEDLAND, PROF. S(EYMOUR). Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Dir, Capital mkt. res. prog. York, 68- Address: 34 Green Valley Rd, Toronto, Ont, Can.
- FRIEDLAND, DR. WILLIAM H(ERBERT). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. commun. studies & sociol, 69-, Stevenson College, University of California, Santa Cruz, Calif. 95060.
- FRIEDLANDER, DR. BERNARD Z(UCKERT). Psychology. See A-K Vol. 11th ed, Soc4 & Behav. Vols. New position & address: Prof. 70-, Dept. of Psychology, University of Hartford, 200 Bloomfield Ave, West Hartford, Conn. 06117.
- FRIEDMAN, DR. BERNARD H(ERTZ). Economics. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position: Prof, 68-, Dept. of Economics, Kutztown State College, Kutztown, Pa. 1950.
- FRIEDMAN, DR. JOSEPH. Clinical Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 135 Henfield Ave, Cherry Hill, N.J. 08034.
- FRIEDMAN, PROF. JULIAN R(ICHARD). Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. polit. sci, Syracuse, 69-Address: 122 Westminster Ave, Syracuse, N.Y. 13210.
- FRIEDMAN, PROF. LAWRENCE M. Law. See 5th ed, Dir. Am. Scholars. Vol. IV, Philos, Relig. & Law.
- FRIEDMAN, DR. MERTON H(IRSCH). Psychology. See A.-K Vol, 11th ed. Soc. & Behav. Vols. New information: Clin. assoc. prof. psychiat, N.J. Col. Med. Address: Psychology Service, Veterans Administration Hospital, East Orange, N.J. 07019.
- FRIEDMAN, PROF. MONROE PETER, b. Brooklyn, N.Y. Oct. 16, 34; m. 56; c. 3. PSYCHOLOGY. B.S. Brooklyn Col, 56; Ph.D (psychol), Tennessee, 59. Asst. psychol, Tennessee, 57-59; human factors scientist, Syst. Develop. Corp, Calif., 59-64; assoc. prof., PSYCHOL, EASTERN MICHIGAN, 64-69, PROF, 69- Am. Polit. Sci. Asn. cong. fel, 66-67. Psychol. Asn. Consumer problems; man-machine systems; foreign affairs. Publ: Co-auth, The effects of hunger on taste and odor RLs, J. Comp. & Physiol. Psychol, 53: 576-581; auth, Consumer confusion in the selection of supermarket products, J. Appl. Psychol, Vol. 50, No. 6 & Quality and price considerations in rational consumer decision making, J. Consumer Affairs, I: 32-33. Address: Dept. of Psychology, Eastern Michigan University, Ypsilanti, Mich. 48197.
- FRIEDMAN, DR. S. THOMAS, b. Chicago, Ill, Feb. 3, 18; m. 40; c. 3. SO-CIAL PSYCHOLOGY B. A. Illinois, Urbana, 38; M.A. Northwestern. 40; Ph. D. (psychol). Texas, Austin, 63. Psychologist, Jewish Voc. Serv, 38-42; exec. dir., Southwest Community Rels. Coun. 46-59; ASSOC. PROF. ED. PSYCHOL, TEXAS, AUSTIN, 63- U.S.A.A.F, 42-45, 1st Lt. Psychol. Asn: Ed. Res. Asn. Attitude measure; social change. Address: Dept. of Educational Psychology, University of Texas at Austin, Austin, Tex. 78712.
- FRIEDMAN, DR. STANFORD B. Pediatrics. See A-K Vol., 11th ed. Soc. & Behav. Vols. New position: Assoc. prof. pediat. & psychiat, 68-, Dept. of Pediatrics, University of Rochester, Medical Center, Rochester, N.Y. 14620.
- FRIEDMAN, DR. WILLIAM HERBERT, b. Indianapolis, Ind. May 16, 33; m. 68; c. 3. CLINICAL PSYCHOLOGY. A.B. Kansas, 58; M.A. Connecticut, 60, Ph.D. (psychol), 64. Lectr. psychol, North Carolina, Greensboro, 63-64, asst. prof., 65-66, dir. counseling center, 64-66; CHIEF CLIN. #SYCHOLOGIST, PSYCHIAT. DIV. STUDENT HEALTH SERV. INDIANA, BLOOMINGTON, 66- U.S.A, 53-56. Psychol. Asn: Col. Health Asn. Psychotherapy. Publ. Co-auth, Relationship of A-B status to patient symptomatology and psychotherapy expectancies, J. Abnormal Psychol. 69; auth, The role of student health services, 69 & co-auth, Mental health unit of a student health services, a study of a clinic, 69, J. Am. Col. Health Asn. dress: Student Health Center, Indiana University, Bloomington, Ind. 47401.
- FRIEDMANN, PROF. JOHN. Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Prof. 69-, School of Architecture & Urban Planning, 1118 School of Architecture, University of California, Los Angeles, Calif. 90024.
- FRIEDRICHS, DR. DAVID WILLIAM, b. Baton Rouge, La. Jan. 24, 25; m. 52; c. 1. POLITICAL SCIENCE. Concordia Sem. 46-52; Auburn, 56-59, Danforth Found, grant, 59; Ph.D. (polit. sci.), Tulane, 67. Asst. prof. polit. sci. Concordia Col., 64-68; academic dean, MICH, LUTHERAN COL., 68-69, DIR. RES. POLIT. SCI. 68-ACADEMIC V.PRES, 69-US. Off. Ed. fel, inst. res. & develop, Ore. State Syst. Higher Ed, summer 69. Consult, polit. affairs & ed. res. & develop, Grabo Res. & Mgt. Consults, 70- Polit. Sci. Asn; Ed. Res. Asn. Urban politics; urban higher education for minorities, research and development. Address: Dept. of Research, Michigan Lutheran College, 7351 Woodward Ave, Detroit, Mich. 48202.
- FRIEL, DR. CHARLES MICHAEL, b. Westfield, N.J., Nov. 17, 39; m. PSY-CHOLOGY, CRIMINOLOGY. B.A, Catholic Univ. 62, M.A, 64, Ph.D.(psy-chol), 68; fel, Cornell, 64-66. Res. assoc. aerospace med, Manned Spacecraft Center, NASA, Houston, 66-67; ASSOC. PROF. STATIST. RES, SAM

HOUSTON STATE & DIR. CRIMINOL. RES, INST. CONTEMPORARY COR-RECTIONS & BEHAV. SCI, 67- Consult, Tex. Criminal Justice Coun, Austin, 68-; Proj. Search, U.S. Dept. Justice, 69- Psychol. Asn, Nat. Inst. Crime & Delinquency; Int. Narcotics Enforcement Off. Asn. Criminal law; the courts; law enforcement; corrections; criminal statistics. Publ: Co-auth, Guidelines for biomedical data processing, NASA Publ, 2/67, Job obsolescence in law enforcement and correctional field, Inst. Contemporary Corrections & Behav. Sci, Sam Houston State Univ, 68 & The Negro law enforcement officer in Texas, Criminal Justice Monogr, Vol. I, No. 4. Address: Dept. of Behavioral Science, Sam Houston State University, Huntsville, Tex. T340.

FRIER, PROF. DAVID ARNOLD, b. Benton, III, Mar. 29, 31; m. 52; c. 4. PO-LITICAL SCIENCE. B.S. Southern Illinois, 54, M.A., 57, Ph.D.(polit. sci), 68. Asst. POLIT. SCI, Southern Illinois, 54-56, lectr., 56-66; asst. prof, WESTERN ILLINOIS, 66-69, assoc. prof, 69-70, PROF, 70- Summers, Vis. prof, Carleton (Ont), 69, Slippery Rock State Col, 70. Consult, League Women Voters, 69. American institutions, especially in the area of conflict of interest. Publ: Conflict of interest in the Eisenhower administration, lowa State Univ., 69 & Penguin, 70. Address: Dept. of Political Science, Western Illinois University, Macomb, III. 61455.

FRIERSON, DR. EDWARD C, b. Akron, Ohio, Dec. 22, 33; m. 55; c. 6. PSY-CHOLOGY, EDUCATION. B.A, Wheaton Col.(III), 55; M.Ed, Miami (Fla), 59; Ph.D.(spec. ed), Kent State, 54. Instr. ed, Kent State, 61-64; assoc. prof. spec. ed, George Pesaboty Col, 64-69; LECTR. SPEC. ED, TENNESSEE, NASHVILLE & EXEC. DIR. NASHVILLE LEARNING CENTER, 69- Distinguished lectr, med. seh, Univ. California, 68, Univ. Cincinnati & Northern Illinois, 69. Consuli, White House Task Force on Talent Develop, 68-69; World Fedn. Neurol. Res. Group on Dyslexia & World Illiteracy, 68- Pres. distinguished serv. award, Int. Asn. Children with Learning Disabilities, 69. Sig.C, U.S.A.R, 55-65, Capt. Psychol. Asn; Personnel & Guid. Asn; Ed. Res. Asn. Unusual learning abilities and disabilities in children; creativity; reading. Publ: Co-auth. Educating children with learning disabilities, Appleton, 67; auth, Gifted children with specific learning disabilities, Spec. Child Pub, 68; The gifted, Am. Ed. Res. Asn. Res. Rev, 69. Address: 925 Davidson Dr. Nashville, Tenn. 37205.

FRISANCHO, DR. ROBERTO. Physical Anthropology. See Suppl. V to 11th ed, Phys. & Biol. Vols.

FROELICH, DR. ROBERT EARL. Psychiatry. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. psychiat, 69-, University of Oklahoma School of Medicine, 800 E. 13th St, Oklahoma City, Okla. 73104.

FROHOCK, DR. FRED M, b. Perry, Fla, Feb. 7, 37; m. 63; c. 1. POLITICAL SCIENCE. B.A. Florida, 60, M.A. 61; Ph.D. (polit), North Carolina, 66. Asst. prof. polit. sci, Syracuse, 65-68; Soc. Sci. res. training lef, 66-69; ASSOC. PROF. POLIT. SCI, SYRACUSE, 69-Polit. Sci. Asn; Soc. Polit. & Legal Philos. Moral reasoning and political policy with a view to exploring reason of state. Publ. The nature of political inquiry, Dorsey, 67. Address: Dept. of Political Science. Syracuse University, Syracuse, NY. 13210.

FROMME, DR. DONALD K, b. Dodge City, Kans, Nov. 25, 38; m. 65; c. 1. CLINICAL PSYCHOLOGY. B. Mus. Boston, 61; Ph.D. (psychot), Iowa, 66. Intern clin. psychol, Hawaii State Hosp, Kaneohe, 63–64; lectr. PSYCHOL, Far East div, Univ. Maryland, 65-66, European div., 66-67; ASSOC. PROP. OKLA. STATE, 67- Psychol. consult, Payne County Guid. Center, Stillwater, Okla, 67-; Garfield County Guid. Center, Enid, 69- Psychol. Asn. Study of physiological, learning and sociocultural parameters related to emotional, abnormal and small group behavior and techniques for modifying such behavior. Address: Dept. of Psychology, Oklahoma State University, Stillwater, Okla. 74074.

FROMOVITZ, DR. STANLEY, b. Lodz, Poland, May 31, 36; Can. citizen. STATISTICS, MANAGEMENT SCIENCE. B.A.Sc., Toronto, 60, M.A., 61; Ph.D. (Statist), Stanford, 65. Mathematician Shell Develop. Co., Calif., 64-67; ASST. PROF. QUANT. METHODS, SANTA CLARA, 68- Opers. Res. Soc. Am. Mathematical programming; inventory theory; operations research—general modeling. Publ. Non-linear programming with randomization, Mgt. Sci., 7/65; d. class of one-period inventory models, Opers. Res, 9/65; co-auth, A Maximum principle in mathematical programming, Proc., Conf. Math. Theory of Control, 1/67. Address: School of Business, University of Santa Clara, Santa Clara, Calif. 95053.

FROOMKIN, DR. JOSEPH N(ATHAN), b. Harbin, China, Feb. 7, 27; U.S. citizen, m. 58; c. 2. ECONOMICS. B.A., St. John's Univ, China, 46; M.B.A. Chinago, 7, Ph.D., 50, Economist, iscal div, U.N., 50; Mayor's Cntt. Met. Shicago, ew. York, N.Y., 50-51; res, assoc, bur, appl. soc. res, Columbia, 51; economist, int. prog. Laxation, law seh, Harvard, 54-55; sr. economist, Aeronaul. Res. Found, Mass, 55-57; systs. analyst & planner, Int. Bus. Mach. Corp. N. Y, 57-66; asst. cmnr. ed. for prog. planning & eval, Off. Ed. U.S. Dept. Health, Ed. & Welfare, 66-69; PLANNER, INT, BUS, MACH. CORP, D.C., 69. Wollman Mem. lettr, City Col. New York, 64. Agency Int. Develop. consult, Japan, 61; Morocco, 65. U.S.A, 52-54, Sgt. Econ. Ass, Statist. Assn. Government policy for education; economic development; public finance; planning and corporate finance. Publ: Co-auth, Technology and jobs: automation in perspective, 66; auth, Students and buildings, 68 & Aspirations, enrollments and resources: the challenge to higher education in the seventies, 70, U.S. Govt. Printing Off. Address: 4724 32nd St. N.W, Washington, D.C. 20008.

FROST, PROF. RICHARD T, b. Burlington, Vt, Dec. 30, 26; m. 52; c. 4. POLITICAL SCIENCE. A.B. Wesleyan, 49; Ph.D. (polit. sci), Syracuse, 56. Asst. prof. polit. sci, Princeton, 56-61; assoc. prof. polit. sci. & asst. to pres, Reed Col. 61-63, prof. & v.pres, 63-65, prof. 67-69; nat. dir. prof. upward bound, U.S. Off. Econ. Opportunity, 65-67; PROF. POLIT. SCI. SYRACUSE & DIR. URBAN STUDIES, SYRACUSE UNIV. RES. CORP, 69-U.S.A.F, 51-54, 1st Lt. Polit. Sci. Asn; Soc. Pub. Admin. Race relations in United States cities. Publ: Cases in state and local government, 61 &

co-auth, Cases in American national government, 66, Prentice-Hall; Schoolmen and politics, Syracuse Duiv, 82. Address: Dept. of Political Science, Syracuse University, 723 University Ave. Syracuse, N.Y. 13210.

FRUCHT, DR. RICHARD. Anthropology. See A.K Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. prof, Alberta, 70-; vis. faculty, McGill, 70-71. Address: Dept. of Anthropology, University of Alberta, Edmonton, Alta, Can.

FRUMKES, DR. THOMAS EUGENE. Physiological Psychology, Neurophysiology. See Suppl. V to 11th ed, Phys. & Biol. Vols.

FRUMKIN, DR. ROBERT M(ARTIN), b. Newark, N.J., Mar. 20, 28; divr. 1. REHABILITATION PSYCHOLOGY, BEHAVIORAL SCIENCES. B.A. Upsaid, Col., 48; New Sch. Soc. Res., 48-49; M.A. Ohio State, S.I., Ph.D. Isociol, psychol), 61; Syracuse, 63-64; Cleveland Inst. Art, 65-66. Instr. sociol. & psychol, Hampton Inst, summer 52; soc. res. analyst, Ohio State Dept. Ment. Hyg. & Correction, 52-54; instr. sociol. & psychol, Buffalo, 54-57; psychiat. soc. worker, Buffalo State Hosp., N.Y. summer 57; asst. prof. sociol. & anthrop, State Univ. N.Y. Oswego, 57-61, assoc. prof. 61-63; res. assoc. geront, Benjamin Rose Inst, 64-65; dir. res. Community Action for Youth, Cleveland, Ohio, 65-66; Cleveland Soc. Blind, 66-67; ASSOC. PROF. REHAB. COUNSELING & RES. KENT STATE, 67- Abstr. Psychol, Abstracts, 54-63; lectr, Cuyahoga Community Col., 65-66. Consult, N.Y. State Dept. Health, 56. Nat. League for Nursing, 59; Cleveland Psychiat. Inst. 66. Res. ed., J. Human Rels, 58- Hosp. C, U.S.N. 46-47. Fel. Sociol. Asn; fel. Soc. Sci. Study Sex; Psychol. Asn. Social psychiatry and pathology; sexual behavior; social psychology of art. Publ: Occupation and major mental disorders, In: Mental health and mental disorder, Norton, 55; Sexual freedom, In: Encyclopedia of sexual behavior, Hawthorn, Vol. 1, 61; Social class, religion, values, and dogmatism as factors in painting preferences. Indian J. Soc. Res. 1/61. Address; 310 Education Bldg, Kent State University, Kent, Ohio 44240.

FRY, DR. FRANKLYN D(EWEY). Clinical Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Chief psychologist, 69-, Governor Bacon Health Center, Delaware City, Del. 19706.

FRY, DR. PREM S, b. Karachi, Pakistan, Feb. 20, 34; m. 68. PSYCHOLOGY, SOCIOLOGY, M.A., Agra 53; Fulbright fel, Michigan, 59-60, M.A., 61; Ph.D. (counseling, psychol), Pa. State, 63. Prog. officer admin. Fulbright scholar, U.S. Ed. Found, India, 63-64; psychol, counsr. & res. consult, off. dean momen, Pa. State, 64-66; asst. prof. ED. PSYCHOL, CALGARY, 66-69, ASSOC. PROF, 69-, STUDENT COUNSR, 66. Psychol. Asn. Personnel & Guid. Asn. Measurement of leadership potential; measurement of behavioral change through laboratory education. Publ: Personality characteristics differentiating leaders from non-leaders in a university setting, spring 64 & A survey of student attitudes, fall 66, Nat. Asn. Women Deans & Counsr. J; Guilt theory versus amxiety theory of maladaptive behavior, Can. Psychologist, 10/69. Address: Student Counseling Services, University of Calgary, Calgary, Atla. Can.

FRYE, DR. ALTON, b. Nashville, Tenn, Nov. 3, 36; m. 53. INTERNATIONAL RELATIONS. B.S, St. Louis, 58; Wilson fel, Yale, 58-59, Young fel, 59-60, Gen. Elec. Found. & Sterling fels, 60-61, Ph.D. fint. rels), 61. News dir, WASH, WMAK, Nashville, Tenn, 53-54; WTMV, KZUL, WEW, St. Louis, Mo. 54-56; personnel dir. & acting dir. pub. rels, Dept. Parks & Recreation, St. Louis, 56-58; news dir., WELI, New Haven, Conn, 59-61; consult, Rand Corp. 61-62, soc. scientist, 62-68; LEGIS. ASST. & STAFF DIR, SENATOR ED-WARD W. BROOKE, 68-Am. Polit. Sci. Asn. congressional fel, 61-62; res. fel, Center Int. Affairs, Harvard, 65-66; vis. asst. prof. California, Los Angeles, summer 64. Consult, Dept. Housing & Urban Develop. & Nat. Adv. Cmn. on Civil Disorders, 67. Hist. Asn; Polit. Sci. Asn; Soc. Int. Law, Acad Polit. & Soc. Sci; Inst. Strategic Studies: National security policy; science and public policy; urban policy. Publ: Nazi Germany and the American hemisphere, 1933-1941, Yale, 67; Politics— the first dimension of space. J. Conflict Resolution, 3/66; Soviet space activities: a decade of pyrrhic politics, in: Outer space: prospects for man and society, Praeger, 68. Address: 1242 Titania Lane, McLean, Va. 22101.

FRYE, PROF. JOSEPH LOUIS, b. High Shoals, N.C. Sept. 26, 19; m. 46; c. 4. ECONOMICS. B.S, Tennessee, 49, M.S. 50; Ph.D. (econ), Florida, 53. Asst. prof. TRANSPORTATION, TENNESSEE, KNOXVILLE, 54-56, assoc. prof. 56-60, PROF. 60. U.S.A, 41-45, Res., 45., Col. Soc. Traffic & Transportation. Foreign trade; national and state regulatory policy; industrial development; transportation and physical distribution education. Publ: The economic effect of freight rates on crude sulphur in the Southeast, 58 & Intermodal coordination, 64, Tenn. Valley Authority; co-auth, The transportation complex of South Carolina, State Indust. Cnn. S.C., 60. Address: Dept. of Transportation, University of Tennessee, Knoxville, Tenn. 37916.

FRYMAN, DR. RICHARD FELIX, b. Oxford, Ohio, Dec. 22, 38; m. 63; c. 1. ECONOMICS, PUBLIC FINANCE. B.S. Miami (Ohio), 61, M.A, 62; Ph.D. (econ, pub. finance), Illinois, 67. Instr. ECON, Miami (Ohio), 62–63; ASST. PROF, SOUTHERN ILLINOIS, 68-, ASST. DEAN SCH. BUS, 69- Nat. Tax Aan. Public Iniance, with emphasis on state and local expenditures and revenues. Public Ox-auth, Comparison of revenues and expenditures and revenues, Public Ox-auth, Comparison of revenues and expenditures in interproducers' goods in Illinois, 6/68, Nat. Tax. J. Address: School of Business, Southern Illinois University, Carbondale, Ill. 62901.

FRYMIER, PROF. JACK R, b. Albion, Ind, Mar. 18, 25; m. 47; c. 3. PSY-CHOLOGY. B.Ed, Miami, 49, M.Ed, 50; Ed.D, Florida, 57. Instr. ed, Miami (Fla), 50-54; teacher soc. studies, lab. sch, Florida, 54-56; asst. prof. curriculum, Temple, 57-59; assoc. prof. ed, Auburn, 59-60; dir. instr. Orange Co. Pub. Schs, Fla, 60-62; PROF. CURRICULUM, OHIO STATE, 62-U.S.A, 43-46 & 51-52. Fel. AAAS; Ed. Res. Asn. Curriculum; study of human motivation; curriculum and instructional theory. Publ: The nature of educational method, 65 & Fostering educational change, 69, C.E. Merrill; ed, Theory into practice, Chio State Univ. 67. Address: Dept. of Curriculum and Foundation, Ohio State University, 29 W. Woodruff Ave, Columbus, Ohio 43210.

- FUCHS, DR. ESTELLE. Anthropology. See A-K Vol, 11th ed. Soc. & Behav. Vols. New information: Also Res. assoc, grad. dept. ed. Chicago, 69-70; assoc, dir. Nat. Study Am. Indian Ed. Address: 681 E. 24th St, Brooklyn, N. V. 11210.
- FUCIGNA, JOSEPH T. Psychology. See A-K Vol, 11th ed, Soc. & Behav Vols. New position: Exec. v.pres, Dunlap & Assocs, Inc, 69- Address: 8 Huckleberry Dr, Norwalk, Conn. 06850.
- FUDIN, DR. ROBERT, b. New York, N.Y, Apr. 24, 34; m. 68; c. 2. PSY-CHOLOGY. B.A, City Col. New York, 59, M.A, 61; Ph.D.(gen. exp. psychol), N.Y. Univ, 67. ASST. PROF. PSYCHOL, LONG (SLAND, 67-Psychol. Asn. Perception, especially as applied to personality and psychopathology; philosophical aspects of space perception and clinical theory. Address: Dept. of Psychology, Long Island University, Brooklyn Center, Brooklyn, N.Y. 11201.
- FUGLER, DR. CHARLES McGHEE. Human Ecology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- FUKUI, DR. HARUHIRO, b. Japan, Feb. 19, 35; m. 59; c. 2. POLITICAL SCI-ENCE. B.A, Tokyo Univ. For. Stud, 57; M.A, Tokyo, 61; scholar, Australian Nat. Univ, 64-67, Ph. D. (int. rels), 68. Vis. Lectr. Japanese hist, Adelaide, 67; ASST. PROF. POLIT. SCI, CALIFORNIA, SANTA BARBARA, 68- Asn. Asian Studies; Polit. Sci. Asn. Comparative politics and international relations with emphasis on Japan and East Asia. Publ. Party in power: the Japanese Liberal-Democrats and policy-making, Univ. California, 70; The associational basis of decision-making in the Liberal-Democratic Party, In: Papers on modern Japan, Australian Nat. Univ, 65; Twenty years of revisionism, In: The constitution of Japan, Univ. Washington, 68. Address: Dept. of Political Science, University of California, Santa Barbara, Calif. 93106.
- FUKUYAMA, DR. YOSHIO. Sociology, Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- FULDA, STEVEN MAN), b. Kassel, Germany, Dec. 20, 32; U.S. citizen; m. 56; c. 3. MANAGEMENT SCIENCE, ENGINEERING ECONOMICS. B.S. Southern Methodist, 54; M.S. N.Y. Univ, 62, Nat. Defense Ed. Act fel, 64-67. Mem. tech. staff, systs. eng. div, Bell Tel. Labs, 53-66; econ. studies supyr, MGT. SCI. DIV, AM. TEL. & TEL. CO, 66-68, MGR. ANAL SCIENCES, 68-Leetr, California, 56-57; grad. sch. bus. admin, N.Y. Univ, 66- Consult, Planning Bd. & Sch. Bd, Madison, N.J., 64-67. U.S.A.F, 55-57, Capt. Am. Soc. Eng. Edi Inst. Mgt. Sci; Nat. Asn. Bus. Econ; Economet. Soc. Application of quantitative methods to public utility corporate decision problems; quantitative characterization of the sociol-economic environment of public utilities. Publ: History and organization of the bell system, 64 & co-auth, Transmission and switching systems for communications, 65, Bell Tel. Labs; co-auth, Numerical analysis of gamma functions, Math. Tables & Other Aids to Computation, 59. Address: American Telephone & Telegraph Co, 195 Broadway, New York, N.Y. 10007.
- FULKERSON, DR. FRANK E, III, b. Alton, III, Sept. 15, 42; m. 64; c. 2. PSY-CHOLOGY. A.B, St. Louis, 64, Nat. Defense Ed. Act fel, 64-67, M.S., (R), 66, NASA traineeship, 67-68, Ph.D. (psychol), 68. ASST. PROF. PSYCHOL, WESTERN II.LINOIS, 68- Psychol. Asn. Effects of drive on verbal-discrimination learning; methodological variations and associative relationships in verbal-discrimination learning. Publ: Co-auth, Undearning of list 1 right items in verbal-discrimination transfer, J. Exp. Psychol, 67 & effects of intrapair and interpair bidirectional associates on verbal-discrimination learning, J. Verbal Learning & Verbal Behav, 69. Address: Dept. of Psychology, Western Illinois University, Maccomb, III. 61455.
- FULLER, PROF. CHARLES E. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chum, 70-, Dept. of Anthropology & Sociology, St. John's University, Jamaica, N.Y. 11432.
- FULLER, PROF. DONALD C(OLDWELL). Business Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 71. Address: P.O. Box 875 Milledgeville, Ga. 31061.
- FULLER, DR. FRANCES FALLON. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, University Junior High Bldg, University of Texas, Austin, Tex. 78712.
- FULLER, DR. JOHN WILLIAMS, III, b. Phoenix, Ariz, Nov. 8, 40; m. 62. ECONOMICS. A.B, San Diego State Col, 62; Ph.D. (econ), Washington State, 68. Teaching asst. econ, Washington State, 62-68; CHIEF ECON. ANAL, WIS. DEPT. TRANSPORTATION, 68. Summers, economist, Bur. Labor Statist, 63, acting asst. dir, Spokane Metrop. Area Transportation Study, 65, transport economist, West. Hwy. Inst, 66, 67, lectr, grad. sch. bus. Univ. Wisconsin, 69, 70. Consult. rehab. res. inst, Univ. Wisconsin, 69. Mem, Transportation Res. Forum. Econ. Ass; Nat. Tax Ass. Economic evaluation of motor vehicle size and weight limits, especially quantification of benefits and costs; benefit-cost methodology; urban transport. Publ: Coauth, Twenty years later: postwar employment trends in the West, Bur. Labor Statist, 9/65; auth, Transportation in the Western livestock industry, West. Hwy. Inst, 3/67 & Current issues in the regulation of motor vehicle sizes and weights, Congressional Record, 7/68. Address: 4037 Monona Dr, Apt. 3, Madison, Wis. 53716.
- FULLER, DR. MARIE MARSCHALL, b. Mason, Tex, Nov. 8, 28; wid; c. 1. SOCIOLOGY. B. A. Baylor, 50; M. J. Texas, Austin, 61, ph.D. (sociol), 68. ASST. PROF. SOCIOL, TEXAS WOMAN'S UNIV, 68 Sociol. Asn. Methodology, urban sociology; mass communication; industrial sociology. Publ: Career studies, Sch. Jour, Univ. Tex, 61; co-auth, ... And the winds blew, Hogg Found. Ment. Health, Austin, 64, & Work as central life interest of managers, workers, and independent businessmen, Proc. Southwest. Sociol. Asn, 69. Address: 1916 Southridge Dr, Denton, Tex. 76201.
- FULLERTON, DR. GAIL PUTNEY. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, Dept. of Sociology, San Jose State College, San Jose, Calif. 95114.

- FULMER, DR. ROBERT M. Management, Marketing. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Dept. of Management, Georgia State University, Atlanta, Ga. 3030-
- FULTON, JOSEPH F(RANK). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Labor rels. analyst, U.S. Library of Cong, 69-Address: 6544 Placid St, Falls Church, Va. 22043.
- PUNDABURK, DR. EMMA LILA, b. Luverne, Ala, Dec. 14, 22. ECONOMICS. A. B. George Washington, 44; M. A. Northwestern, 46; Ph. D. (econ), Ohio State, 63. Econ. analyst, U.S. Dept. State, 64.45; Ala. Dept. Holdst. Reles, 46.47; instr. econ, center, Univ. Alabama, 47-48; planning technician, Ala. Planning Ed., 48-49; Huntingdon Col., 50-51; dist. economist, Off. Price Stabilization, Montgomery, Ala, 51-52; contract acet, Maxwell Air Force Stabilization, Montgomery, Ala, 51-52; contract acet, Maxwell Air Force Stabilization, Montgomery, Ala, 51-52; contract acet, Maxwell Air Force Stabilization, Montgomery, Ala, 51-52; contract acet, Maxwell Air Force GREEN STATE, 66-68, ASSOC, PROF, 68- Ins. salesman, Jefferson Standard Life, Montgomery, Ala, 52-54; summer fel, Case Western Reserve, 69. Econ. Asn, Acad. Soc. & Polit. Sci.; Asn. Adv. Slavic Studies; Asn. Study Soviet-Type Econ. Industrial economics; history of economic thought; economic bibliography. Publ: Indicators of economic activity in Kauai, 65 & Garmest manufacturing on the Neighbor Islands, 66, Univ. Hawaii; Reference materials and periodicals in economics, Scarecrow, 70. Address: Dept. of Economics, Bowling Green State University, Bowling Green, Ohio 43402.
- FUNK, DR. RUTH ANNE (JOHNSON). Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Chief psychologist, Robert Soule Clinic, Syracuse, 68- Address: 4967 Fayetteville Rd, Manlius, NY. 13104.
- FURBY, DR. LITA MARIAN, b. Berkeley, Calif, Nov. 9, 45. DEVELOP-MENTAL PSYCHOLOGY. B.A, Antioch Col, 66; M.A, Middlebury Col, 69; Ph.D. (bsychol), Stanford, 69. ASST. PROF. PSYCHOL, YALE, 70- Soc. Res. Child Develop; Ed. Res. Asn. Psychometrics. Address: Dept. of Psychology, Yale University, New Haven, Conn. 06520.
- FUREDY, DR. JOHN J(ULIUS), b. Budapest, Hungary, June 30, 40; m. 66. PSVCHOLOGY OF LEARNING, PSVCHOPHYSIOLOGY. B.A. Sydney, 63, Reserve Bank, studentship, 63-65, M.A., 64, Ph.D. (psychol), 66. Vis. lectr. PSYCHOL, Indiana, 65-66, vis. asst. prof, 66-67, asst. prof, 7ORONTO, 67-69, ASSOC. PROF, 69- Res. assoc. & acting proj. dir, Off. Naval Res. Grant, Indiana, 65-67, Raculty res. grant, 66-67, Nat. Res. Coun. grant, 67-70; Can. Coun. grant, 69-71. Psychonomic Soc; Soc. Psychophysiol. Res. Human autonomic conditioning; motivation; psychophysiological measurement; experimental design. Publ: Human autonomic conditioning, 67, Orienting response, 68 & Autonomic measurement problems, 68, J. Exp. Psychol. Address: Dept. of Psychology, University of Toronto, Toronto 181, Ont, Can.
- FURFEY, PAUL HANLY. Sociology, Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also res. assoc. bur. soc. res. & res. assoc. instal. res. & planning off, Catholic University of America, Washington, D.C. 20017.
- FURLONG, DR. WILLIAM L(EON). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. prof, 68-, Dept. of Political Science, Utah State University, Logan, Utah 94321.
- FURST, DR. HAROLD. Business Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Regional V.pres, Bank of America NT&SA, 69. Address: 34 Arlington Ave, Berkeley, Calli. 94707.
- FURST, DR. MERRICK L(AWRENCE), b. New York, N.Y, Sept. 26, 21; m. 51; c. 2. PSYCHOLOGY. Ph.B, Northwestern, 47; M.A, Temple, 63, Ph.D. (psychol), 67. Div. res. mgr. spec. devices, Austin Co, 53-65; sr. engr., ARMA Corp. 56-55; plant mgr., Vitramon Corp., 60-61; sr. eng., Specialist, Philco Corp., 61-62; mgr., Vector Corp., 62-66; ASSOC. PROF. PSYCHOL, VILLANOVA, 67-Instr, Bridgeport, 60-61; res. counselor, counseling center, Temple, 66-67; dir. res., Pa. Adv. Sch, 67- Assoc. Opers. Res. Soc. Am; Psychol. Asn; Ed. Res. Asn. Human learning; statistics and experimental design; underachievement; reliability; operations research; scientific management. Publ: Management insight, Fifth Annual Int. Sci. in Mg., The Inst. Mgt. Sci, 58; co-auth, Reliability insight, Second Nat. Convention Mil. Electronics, IRE, 58. Address: Dept. of Psychology, Villanova University, Villanova, Pa. 19085.
- FURTH, ENRIQUE. Operations Research, Mathematics. See Suppl. V & VI to 11th ed, Phys. & Biol. Vols.
- FURUMOTO, DR. LAUREL W(AISHNOR), b. Rockford, Ill, Mar. 6, 38; m. 59; c. 2. PSYCHOLOGY, A.B., Illinois, 95; U.S. Pub. Health fel, Ohio State, 60-61, M.A. 62; Nat. Insts. Health fel, Harvard, 50-66, Ph.D., 67. Prin. psychologist, alcohol res. unit, Boston State Hosp, Mass, 66-67; Instr. PSY-CHOL, WELLESLEY COL, 67-68, ASST. PROF, 66-Psychol. Asn. Animal

behavior; learning; operant conditioning; experimental analysis of behavior. Address: Dept. of Psychology, Wellesley College, Wellesley, Mass. 02181.

FUSE, DR. TOYOMASA, b. Sapporo City, Japan, Jan. 20, 31; m. 61; c. 2. SOCIOLOGY. M.A, Callifornia, Berkeley, 56, Ph.D. (sociol), 61. Vis. asst. prof. SOCIOL, Anticoh Col., 61-64; Carleton Col., 64-66; vis. assoc. prof, Cornell, 66-68; ASSOC. PROF, MONTREAL, 68. Vis. prof, Princeton Theol. Sem, 64-65; N.Y. Univ. summer 65; Cornell, 66-67. Am. Sociol. Asn; Can. Sociol. Asn; Can. Sociol. Asn; Can. Asn. E.Asian Studies. Japanese Nobility; student movement in Japan; sociology of religion and knowledge. Publ.: The student, university and society in Japan, Univ. Reading, 70; Sociology of knowledge revisted, Sociol. Inquiry, summer 67; The student radicalism in Japan, Comp. Ed. Rev, Vol. XIII, No. 3. Address: 5581 Campden Place, Montreal, Oue. Can.

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- GAA, PROF. CHARLES J(OHN). Accounting. See A-K Vol, 11th ed, Soc. & Behav. Vols. New publ: Ed, Contemporary thought on federal income taxation, Dickenson, 69. Address: Graduate School of Business Administration, Michigan State University, East Lansing, Mich. 48823.
- GADE, DR. DANIEL WAYNE, b. Niagara Falls, N.Y, Sept. 28, 36; m. 65; c. 1. GEOGRAPHY. B. A. Valparaiso, 59; fel, Illinois, Urbana, 60; M. A. Wisconsin, Madison, 61, Ph.D. (geog), 67. Vis. instr. GEOG, Oregon, 65-66; asst. prof, VERMONT, 66-70, ASSOC. PROF, 70. Nat. Acad, Sci-Nat. Res. Coun. fel. geog, Wisconsin, Madison, 67; Peace Corps res. contract, 68; Soc. Sci. Res. Coun. res. grant, 70. Asn. Am. Geog; Am. Geog. Soc. Past and present ecological relationships of primitive and folk societies particularly in Latin America; processes of plant and animal domestication; ethnobotany and ethnocology. Publ. Achira, the edible canna, Econ. Bot. 66, The guinea pig in Andean folk culture, Geog. Rev, 67; Vanishing crops of traditional agriculture, Proc. Asn. Am. Geog, 69. Address: Dept. of Geography, University of Vermont, Burlington, Vt. 05401.
- GAFFNEY, PROF. M(ERRILL) MASON. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Res. assoc, 69-, Resources for the Future, Inc, 1755 Massachusetts Ave. N.W, Washington, D.C. 2003.
- GAIENNIE, DR. L(OUIS) RENE. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. corp. anal, Singer Co, N.Y, 67- Address 10 Belleclaire Place, Montclair, N.J. 07042.
- GAILEY, DR. CHARLES ROBERT, b. Watertown, N.Y. May 22, 37; m. 58; c. 4. SOCIOLOGY, ANTHROPOLOGY, B.A. East. Nazarene Col., 58, Th.B., 60; M.A., Boston, 59; D. Phil. (sociol), South Africa, 69; Harvard, 70. Asst. Instr. African studies, East. Nazarene Col., 59-60, asst. prof. sociol. & anthrop, 60-64, chmn. dept. sociol, 61-64; teaching & field researcher, Swaziland, Africa, 64-69; ASSOC. PROF. SOCIOL. & CHMN. DEPT, EAST. NAZARENE COL., 69- Res. asst, Boston, 59-61. Sociol. Asn; Am. Sci. Affiliation; Int. African Inst. Social stratification; African studies; sociological theories; applied anthropology. Address: 58 Cheriton Rd, Wollaston, Mass. 02170.
- GANNES, PROF. JOHN F(RANKLIN). Physical Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chmn. dept. geog, San Fernando Valley State Col, 69- Address: 10944 Lindley Ave, Granada Hills, Calif. 91344.
- GAINES, DR ROSSLYN, b. Toronto, Ont; U.S. citizen; div; c. 2. PSYCHOLOGY. B.S. Northwestern, 49; Nat. Insts. Health fel, Chicago, 60-63, M.A. 61. Ph.D.(psychol), 63. Intern psychol, Counseling Center, Univ. Chicago, 30-52, res. asst, univ, 61-62, teaching asst, 62, instr, 63; asst. prof. psychol, California, Los Angeles, 63-64; assoc. res. prof. Gallaudet Col, 64-65; ASSOC. RES. PSYCHOLOGIST & PROJ. DIR, INST. HUMAN DEVELOP, CALIFORNIA, BERKELEY, 66-, LECTR, DEPT. ED, UNIV, 68- Co-prin. investr, U.S. Pub. Health Serv. res. grant, 63-64, prin. investr, 64-67, proj. dir, 67-70; fel, Nat. Training Labs, Maine, 68. Counsr, Chicago Psychol. Inst, 51-55; consult, U.S. Off. Ed. res. grant, 66-68. Psychol. Ass; Soc. Res. Child Develop. Perceptual differentiation skills of three age levels and three adult groups to determine relation of age and skill, color and form discrimination at different ages and the efficacy of differing types of reinforcement. Publ: Vleual testing of preverbal and nonverbal young children, Am. J. Optom, 68: 642-657; Experiencing the perceptually-deprived child, J. Learn-

- ing Disabilities, 2: 559-565; The discriminability of form among young children, J. Exp. Child Psychol, 8: 418-431. Address: Institute of Human Development, Toman Hall 1203, University of California, Berkeley, Calif. 94720
- GAINES, DR. WILLIAM A, b. Philadelphia, Pa. Apr. 14, 10; m. 42; c. 2. SOCIOLOGY. A. B, Pennsylvania, 32, A. M, 33, Gen. Ed. Bd. fel, 44-45, Ph.D. (Sociol), 49; Fisk, 36-39; Temple, summer 56. Instr. soc. sci. Fessenden Acad, 39-40; sociol, Fla. Agr. & Mech, 41-42, dir. exten. schs, 46-48; dir. pub. rels, Fla. Mem. Col, 42-44; admin. asst, Pioneer Bus. Col, 50-52; prof. soc. sci, Claflin, 52-56; dir. res, dept. soc. sci, Del. State Col, 56-62; CHM. DEPT. SCOIOL, ST. AUGUSTINE'S COL, 62-, DIR. HUMAN RELS. CENTER, 66- Coun. Soc. Work Ed. School desegregation; race relation. Address: 2131 Master St, Philadelphia, Pa. 19121.
- GAKENHEIMER, DR. RALPH ALBERT. City Planning. See A-K Vol., 11th ed., Soc. & Behav. Vols. New position & address: Vis. assoc. prof., 69-, Dept. of Urban Studies & Planning, Massachusetts Institute of Technology, Room 7-333, Cambridge, Mass. 02139.
- GALBRAITH, DR. GARY G. b. Duquoin, III, Feb. 6, 34: m. 66; c. 1. PSY-CHOLOGY, B.A, Southern Illinois, 56; M.A, Ohio State, 59, Ph.D. (personality), 64. Asst. instr. PSYCHOL, Ohio State, 63-64: ASST. PROF. PA. STATE, 64: Consult, Vet. Admin, 65. U.S.A, 58-63, Capt. AAAS, Psychol. Asn. Experimental personality research with emphasis upon learning, conflict, and motivation. Address: 1362 Penfield Rd, State College, Pa. 18601.
- GALBRAITH, DR. JOHN A(LEXANDER). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Dir. econ. res, Royal Bank of Can, 69-; assoc. prof, McGill, 67- Address: Royal Bank of Canada, P.O. Box 6001, Montreal 2, Que, Can.
- GALE, DR. DIANE S, b. Baltimore, Md, Nov. 1, 42; m. 65. PSYCHOLOGY. B.A, Maryland, 64; U.S. Pub. Health Serv. fel. & M.A, Washington (St. Louis), 65; U.S. Pub. Health Serv. trainee, State Univ. N.Y. Buffalo, 66-68, Ph.D. (psychol), 69. Psychologist, Child Guid. Clin, Wayne County Juvenile Court, Detroit, Mich, 65-66; DIR. STUDENT COUNSELING CENTER, CANISIUS COL, 69. Psychol. Asn. Effect of success and failure on information seeking behavior of individuals at extremes of the locus of control variable. Publ: Sr. auth, A comparison of reciprocal inhibition and classical extinction, Behav. Res. & Ther, 66. Address: Student Counseling Center, Canisius College, 2001 Main St, Buffalo, N.Y. 14208.
- GALE, PROF. RAYMOND FLOYD. Psychology, Sociology. See A.-K Vol., 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Educational Psychology, Ball State University, TC 513, Muncie, Ind. 47306.
- GALEF, DR. BENNETT GODFREY, JR, b. New York, N.Y., May 23, 41; m. 66, COMPARATIVE PSYCHOLOGY. A.B., Princeton, 62; univ. fel, Pennsylvania, 64-65, M.A, 64, Nat. Inst. Ment. Health fel, 65-68, Ph.D. (Dsychol), 68. ASST. PROF. PSYCHOL, McMASTER, 68- Nat. Res. Coun. Can. grant, 68- AAAS; Psychol. Ass; Animal Behav. Soc. Aggressive behavior; poison avoidance; behavior of wild rats. Publ; Aggression and timidity: responses to novelty in feral Norway rats, J. Comp. & Physiol. Psychol, 3/10. Address: Dept. of Psychology, Mcmaster University, Hamilton, Ont, Can.
- GALLAGHER, PROF. DONALD A. J. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- GALLAGHER, DR. EUGENE B. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Prof. behav. sci, Kentucky, 69-; vis. prof. ment. health, Univ. Bristol, 69-70. Address: Dept. of Behavioral Science, University of Kentucky, Lexington, Ky. 40506.
- GALLAGHER, DR. JOHN F. Political Science, Public Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chief gen. res, Ohio Legis. Serv. Cmn, 69- Address: 645 Neil Ave, Apt. 920, Columbus, Ohio 43215.
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- GARDNER, PROF. RICHARD NEWTON. Law, Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: U.S. mem. exec. bd, UN Inst. Training & Res, 69- New publ: Co-auth, The global partnership, Praeger, 68. Address: School of Law, Columbia University, 435 N. 116th St, New York, N.Y., 10027.
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- GARRETT, DR. RICHARD E. Mechanical Engineering. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- GARRETT, PROF. RUTH COFFMAN, b. Marietta, Ohio, July 18, 23; m. 55; c. 3. SPEECH PATHOLOGY. B.S. in Ed, Ohio, 45, M.A., 46, Ph.D., 68. Instrspeech path, Alabama, 46-52, asst. prof. SPEECH, 25-25; MARSHALL, 53-69, PROF, 69- Speech & Hearing Asn. Publ: Co-auth, Group therapy with preschool children having cerebral palsy, in Vol. III, Special education for the exceptional, Porter Sargent, 56. Address: Dept. of Speech, Marshall University, Huntington, W. Va. 25701.
- GARRICK, DR. A(URELIO) LELAND, b. Iloilo City, Philippines, July 31, 29; U.S. citizen; m. 56; c. 2. OPERATIONS RESEARCH, ENGINEERING. B.S. Mapua Inst, 51; B.S., St. Thomas, 53; M.S., Feati Univ, Philippines, 55; M.A. Carnegie-Mellon Univ, 57; Ph.D. Cous. admin), Southern California, 69. Sales mgr, indent dept, Amon Trading Corp., 47-55; asst. to v.pres. res. & develop, Aerojet Gen. Corp, 58-60, dept. mgr. planning & control, 60-62, asst. to

v.pres. plant mgr, 62-63, prin. eng. mgt. control, 64-65; MEM. ADMIN. STAFF, HUGHES AIRCRAFT CO, 69- Instr. opers. res, California, 61-63, lectr, Sacramento State Col, 63-65. Opers. Res. Soc. Am; Inst. Mgt. Sci. Speculative trading of mutual fund shares; quantitative analysis; mechanical and electrical engineering. Address: 8201 W. Manchester Ave, Playa del

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- GEER, DR. WILLIAM JAMES, b. Willow Lake Twp, Minn, Sept. 3, 36; m. 62; c. 3. SOCIOLOGY. B.F.A, Minneapolis Sch. Art, 62, Carle fel, 63-65; B.A, Minnesota, 65, M.A, 67, Ph.D. (Sociol), 69. Staff photographer, Visual Arts Res. Center, 61-62; creative dir, Bolger Pub, 62-63; art dir, Legon Develop. Serv, 63-64; asst. sociol, Univ. Minnesota, 66-68, coordinator teaching assts. sociol, 68-69; ASST. PROF. SOCIOL. & ANTHROP, COL. ST. CATHERINE, 69. U.S.M.C, 54-57. Sociology of art, especially the artist as a member of a formal organization. Address: Route 1, Box 184, Osseo, Minn. 55369.
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- GEIST, DR. VALERIUS. Zoology, Ethology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- GEIWITZ, DR. P(ETER) JAMES. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Independent writer & consult, 69- New publ: NonFreudian personality theories, Brooks/Cole, 69. Address: 749 Corbett Ave, Apt. 3, San Francisco, Calif. 94131.
- GEKOSKI, DR. WILLIAM L, b. Philadelphia, Pa, Nov. 17, 41. PSYCHOLOGY. A.B., Franklin & Marshall Col, 63; M.A., Michigan, 65, Ph.D.(psychol), 68. ASST. PROF. PSYCHOL, QUEEN'S (0NT), 68- Am. Psychol. Asn. Can. Psychol. Asn. Developmental psychology; psycholinguistics; bilingualism. Publ: Co.-auth, Alterations in pattern equivalence following inferotemporal and lateral striate lesions in Rhesus monkeys, J. Comp. & Physiol. Psychol, 66; auth, Stability of the Michigan free and restricted norms, Am. J. Psychol, 9/68. Address: Dept. of Psychology, Queen's University, Kingston, Ont, Can.
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- areas; behavior modification via learning principles. Publ: Confidence and decision speed in the revision of opinion, Orgn. Behav. & Human Performance, 68; Effects of prediction, probability and run length on choice reaction speed & co-auth, Revision of opinion and decision times in an information seeking task, J. Exp. Psychol, (in press). Address: Dept. of Psychology, Virginia Polytechnic Institute, Blacksburg, Va. 24061.
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- GERBER, DR. WILLIAM. Diplomatic History, Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- GERBERICH, PROF. J(OSEPH) RAYMOND. Educational Psychology. See A-K Vol., 11th ed, Soc. & Behav. Vols. New information: Emer. prof. ed, Connecticut, 62-; retired, Arizona, 69; private consult, Univ. West Indies, Address: 800 Benjamin Franklin Dr, Sarasota, Fla. 33580.
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- the public sector, particularly allocation of financial resources. Publ: Budgeting public funds: the decision process in an urban school district, Univ. Wis, 69; A process model of budgeting in a public school system, Mgt. Sci., 3/69; Towards a theory of public budgetary decision making, Admin. Sci. Quart, 3/69. Address: School of Business Administration, University of Wisconsin-Milwaukee, Milwaukee, Wis. 53201.
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- GESSNER, DR. PETER K. Pharmacology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- GESSOW, ALFRED. Physics, Applied Mathematics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- GETTELL, DR. RICHARD GLENN. Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New posttion & address: Financial y.pres, 69-, The Phoebe Waterman Foundation, Inc. 1819 John F. Kennedy Bivd, Philadelphia, Pa.
- GEYER, DR. ALAN. Christian Ethics, Political Science. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- GEYER, PROF. HERBERT G(EORG). Economics, Public Finance. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Dept. of Economics, Hunter College, 695 Park Ave, New York, N.Y. 10021.
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- GIBBS, JAMES TAYLOR, b. Washington, D.C, Feb. 26, 25; m. 48, 69; c. 3. ECONOMICS. B.A, Southern California, 52; M.A, Claremont Grad. Sch, 64. Asst. dir. DIV. RES. Gen. ECON. PROBS, AM. INST. ECON. RES., 64-68, DIR., 68- U.S.N, 43-59, Lt. Comdr. Money and credit, particularly the problem of inflating. Publ: Bd. Can our republic survive?, Am. Inst. Econ. Res., 69; auth, Numerous articles and research reports in professional journals, 63-70. Address: Division of Research of General Economic Problems, American institute for Economic Research, Great Barrington, Mass. 01230.
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- GEER, DR. WILLIAM JAMES, b. Willow Lake Twp, Minn, Sept. 3, 36; m. 62; c. 3. SOCIOLOGY. B.F.A, Minneapolis Sch. Art, 62, Carle fel, 63-65; B.A, Minnesota, 65, M.A, 67, Ph.D. (Sociol), 69. Staff photographer, Visual Arts Res. Center, 61-62; creative dir, Bolger Pub, 62-63; art dir, Legon Develop. Serv, 63-64; assts. sociol, Univ. Minnesota, 66-68, coordinator teaching assts. sociol, 68-69, ASST. PROF. SOCIOL. & ANTHROP, COL. ST. CATHERNE, 69- U.S.M.C, 54-57. Sociology of art, especially the artist as a member of a formal organization. Address: Route 1, Box 184, Osseo, Minn. 55369.
- GEERTZ, PROF. CLIFFORD. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. soc. sci, 70-, Institute for Advanced Study, Princeton, N.J. 08540.
- GEHLEN, DR. FRIEDA L, b. Bad Axe, Mich, Sept. 14, 37; m. 67; c. 1. SOCI-OLOGY. B.S. Evangel Col., 59; M.A., Mich. State, 61, Himman fel, 61-62, Nat. Sci. Found, iel, 63-64, Ph.D. (sociol), 67. Teacher, high sch, Ohio, 59-60; instr. SOCIOL, Evangel Col., 65; Purdue, 65-67; vis. asst. prof, San Francisco State Col., 67-68; ASST. PROF, PURDUE, 68. Sociol. Asn, Polit. Sci. Asn. Political sociology and sociology of education. Publi: The political aspects of small town and rural schools, Ed. Resources Info. Center, New Mexico State, 69; co-auth, Correlates of legislative behavior: Michigan House of Representatives, Midwest J. Polit. Sci., 11/62; auth, Women in Congress, Transaction, 10/69. Address: Dept. of Sociology, Purdue University, Lafayette, Ind. 47907.
- GEIS, DR. FLORENCE L, b. Oakland, Calif, Apr. 3, 33; div. SOCIAL PSY-CHOLOGY. A.B, Arizona, 56; Nat. Sci. Found. fel, Columbia, 63, Ph.D.(soc. psychol), 64. ASST. PROF. PSYCHOL, N.Y. Univ. 64-67; DELAWAKE, 67-Nat. Sci. Found, grant, 65-67. Am. Insis. Res. creative talent award, 65. AAAS; Psychol. Asn. Interpersonal relations and manipulation, Machiavellanism. Publ: Co-auth, Studies in Machiavellianism, N.Y. Acad. Press, 70. Address: Dept. of Psychology, University of Delaware, Newark, Del. 19711.
- GEISER, DR. PETER, b. Waynesboro, Pa, Feb. 24, 10; m. 59; c. l. SOCIOL-OGY, A. B. PHTSburgh, 34; M. S. W. Southern California, 48, Ph.D. (sociol), 60. Asst. dir, Los Angeles Travelers Aid Soc, 48-50; asst. chief sociour worker, Out-Patient Clin, U.S. Vet. Admin, 50-54; dist. rep, Calif. State Dept. Soc. Welfare, 54-58; assoc, prof. sociol, San Fernando Valley State Col, 58-63; chm. dept. sociol, CALIF, STATE COL, HAYWARD, 63-67, ACTING HEAD DIV. SOC. & BEHAV. SCI, 67-Ast, prof. Los Angeles State Col, 50-58; vis. prof. American Univ. Cairo, 61-62, res. assoc, 63-64; vis. prof. Hokado, 68; Fubright res. fel. Ankara, Turkey, 68-69, U.S. N, 44-45, Sociol. Asn; Soc. Appl. Anthrop. Migration; urbanization. Publ: Some impressions concerning the nature and extent of stabilization and urbanization in Nubian society. In: Harfex Series, Yale, 67; co-auth, Decision-making processes in the professional association, Soc. Work, 7/62; auth, Some differential factors affecting population movement: the Nubian case, Human Orgn, fall 67. Address: California State College at Hayward, Hayward, Calif. 94542.
- GEISMAR, PROF. LUDWIG L(EO). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New publ; Preventive intervention in social work, Scarecrow, 69. Address: Graduate School of Social Work, Rutgers, The State University, New Brunswick, N.J. 08903.
- GEIST, DR. VALERIUS. Zoology, Ethology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- GEIWITZ, DR. P(ETER) JAMES. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Independent writer & consult, 69- New publ: NonFreudian personality theories, Brooks/Cole, 69. Address: 749 Corbett Ave, Apt. 3, San Francisco, Calii. 94131.
- GEKOSKI, DR. WILLIAM L, b. Philadelphia, Pa, Nov. 17, 41. PSYCHOLOGY. A.B., Franklin & Marshall Gol, 63; M.A. Michigan, 65, Ph.D. (psychol), 68. ASST. PROF. PSYCHOL, QUEEN'S (ONT), 68-4m. Psychol. Asn. Can. Psychol. Asn. Developmental psychology; psycholinguistics; bilingualism. Publ: Co-auth, Alterations in pattern equivalence following inferotemporal and lateral striate lesions in Rhesus monkeys. J. Comp. & Physiol. Psychol., 66; auth, Stability of the Michigan free and restricted norms, Am. J. Psychol, 9/68. Address: Dept. of Psychology, Queen's University, Kingston, Ont, Can.
- GELBER, DR. BEATRICE. Experimental Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Res. assoc, Nova, 69- Address: 1481 S. Ocean Blvd, Apt. 136, Pompano Beach, Fla. 33062.
- GELBMANN, DR. FREDERICK J(OHN). Clinical Psychology. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New position: Coordinator clin. serv., Minn. Dept. Corrections, 69 Address: 294 Janice St, St. Paul, Minn. 55112.
- GELLER, DR. E. SCOTT, b. Allentown, Pa, Feb. 7, 42; m. 67. EXPERIMENTAL PSYCHOLOGY. B.A. Col. Wooster, 64; U.S. Pub. Health Serv. fels, Southern Illinois, 64-65, 68-69, M.A. 67, Ph.D.(psychol), 69. ASST. PROF. PSYCHOL, VA. POLYTECH, 69- Psychol. Asn. Decision making and human judgment processes and the influence of individual differences in these

- areas; behavior modification via learning principles. Publ: Confidence and decision speed in the revision of opinion, Orgn. Behav. & Human Performance, 86; Effects of prediction, probability and run length on choice reaction speed & co-auth, Revision of opinion and decision times in an information seeking lask, J. Exp. Psychol, (in press). Address: Dept. of Psychology, Virginia Polytechnic Institute, Blacksburg, Va. 24061.
- GELLER, HARVEY. Public Health Statistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Head spec. cancer surv, sect, 68-, Biometry Branch, National Cancer Institute, Room 6C10, 7550 Wisconsin Ave, Bethesda, Md. 20014.
- GELLERMANN, DR. WILLIAM P. Psychology, Anthropology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 229 Prospect Ave, Staten Island, N.Y. 10301.
- GENTILE, D. R. J(AMES) RONALD, b. Pottsville, Pa., Apr. 14, 41; m. 63; c. 1. EDUCATIONAL & EXPERIMENTAL PSYCHOLOGY. B.S. Pa. State, 63, Nat. Inst. Health traineeship, 63, res. fels, 63-66, M.S., 64, Ph.D.(educ. psychol), 67. Res. pšychologist, Walter Reed Army Inst. Res, Walter Reed Army Med. Center, 61-69; ASST. PROF. ED. PSYCHOL, STATE UNIV. N.Y. BUF-FALO, 69- Med.C, U.S.4, 67-69, Capt. AAAS; Psychol. Asn; Ed. Res. Asn. Mediational and associative processes, especially as they influence the solutions to problems and test items; individual and sociocultural differences in problem solving. Publ: Co-auth, Classroom applications of reinforcement principles, Kendall/Hunt, 70; auth, The first generation of computer-assisted instructional systems: an evaluative review, A-V Commun. Rev. 15: 23-53; co-auth, Process of solving analogy items, J. Ed. Psychol, 60; 494-502. Address: 498 Maynard Dr, Eggertsville, N.Y. 14226.
- GEORGE, PROF. ALEXANDER L(AWRENCE). Political Science. See A.-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. 68-, Dept. of Political Science, Stanford University, Stanford, Calif. 94305.
- GEORGE, PROF. JOHN L., b. Danvers, Mass., Oct. 30, 31; m. 58; c. 3. UR-BAN GEOGRAPHY. B.S. Salem State Col, 53; M.A. Clark, 56; Ph.D. (geog). Boston, 68. Teacher, pub. schs, Wallingford, Conn, 57:59; high sch. Topsfield, Mass, 59-61; instr. GEOG, SALEM STATE COL, 61-64, asst. prof. 64-67, assoc. prof. 67-69, PROF. 69- Consult, B.F. Goodrich Co., 67; Lynn, Mass, 67-; Smithsonian Inst, New Eng. Textile Mill Surv, 68; private consult, 67- U.S.A, 55-57. AAAS; Asn. Am. Geog; Am. Geog, Soc. Evaluation of changes in the retail geography of urban areas; classification of retail centers quantitatively to determine the degree of change. Publ: Impact of highway connection improvement, Danvers Hist. Collections, 67. Address: Dept. of Geography, Salem State College, Salem, Mass. 01970.
- GEORGE, DR. PULIVELIL MARKOSE, b. Kollad. India, July 6, 31; m. 61; c. 2. SOCIOLOGY. A.B., Earlham Col., 58; M.A., Boston, 61; Ph.D.(sociol). North Carolina, Chapel Hill, 65. Instr. SOCIOL, North Carolina, Raleigh, 64-65; asst. prof., Alberta, 65-68; WESTERN ONTARIO, 68-69, ASSOC. PROF. 69. Can. Coun. res. grant, 69-10. Referee, res. grant appin, Defense Res. Bd, Can. 68- Am. Sociol. Asn. Int. Sociol. Asn. Can. Sociol. Asn. Philosophy of social science; value orientation of scientists; sociology of occupations. Publ; A balance approach to occupational commitment, values and perceptions, Sociol. Inquiry, spring 67; Some master models within the historical perspectives, Organon, 68; The model of man and the problem of understanding, Acts XXII Congress Sociol., 9/69. Address: Dept. of Sociology, University of Western Ontario, London, Ont, Can.
- GEORGEVICH, DR. MIODRAG. International Politics. See A-K Vol, 11th ed. Soc. & Behav. Vols. New information: Ph.D.(polit. sci), Michigan, 70. Address: 2 Marquette Dr., Marquette, Mich. 49855.
- GEORGOPOULOS, DR. BASIL S. Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychol, Michigan, 69- Address: Institute for Social Research, University of Michigan, Ann Arbor, Mich. 48106.
- GERARD, DR. EUGENE OLIVER. Psychology. See A-K Vol., 11th ed., Soc. & Behav. Vols. New position & address: Staff psychologist, 69-, Psychology Section, Porterville State Hospital, Porterville, Calif. 93257.
- GERARD, PROF. H(AROLD) B(ENJAMIN). Psychology. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position & address: Prof. 68-, Dept. of Psychology. University of California, Los Angeles, Calif. 90024.
- GERARD, DR. ROY. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Economic Consultants Organization, Inc, 17 Independence St, White Plains, NY. 10606.
- GERBER, DR. BARBARA W. Counseling, Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: School Psychology & Counseling, State University of New York College at Oswego, Oswego, N.Y. 13126.
- GERBER, PROF. ISRAEL J(OSHUA). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Lectr, North Carolina, Charlotte, 68-; lectr, J.C. Smith Univ, 69-; v.pres, Hearthstone, 69- Address: 5727 Riviere Dr, Charlotte, N.C. 28211.
- GERBER, DR. WILLIAM. Diplomatic History, Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- GERBERICH, PROF. J(OSEPH) RAYMOND. Educational Psychology. See A-K Vol., 11th ed, Soc. & Behav. Vols. New information: Emer. prof. ed, Connecticut, 62.; retired, Arizona, 89; private consult, Univ. West Indies, Address: 800 Benjamin Franklin Dr, Sarasota, Fla. 33580.
- GERDES, PROF. VICTOR. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 131 Marcshire Dr, Middletown, N.J. 07748.
- GERIARD, DR. HANS W(OLFRAM). Economics. See A.-K Vol. 11th ed. Soc. & Behav. Vols. New position: Div. chief, International Monetary Fund, 69-Address: 6506 Cardigan Rd, Bethesda, Md. 20034.

- GERHARDT, PAUL H(ARDING), b. Clarkdale, Ariz, June 26, 20; m. 47; c. 3. ECONOMICS. A.B. North Carolina, 46; M.A. Harvard, 51, fel, 51-53. Economist, ford Motor Co, 53-57; sr. economist & dir. econ. res, Midwest Res. Inst, 57-61; SR. ECONOMIST, area develop, Cmt. Econ. Develop, 61-66; NAT. AIR POLLUTION CONTROL ADMIN, 67. U.S.A.A.F., 42-45. Econ. Asn; Economet. Soc; Regional Sci. Asn. Regional economic development; marketing economics; urban economics; research management. Publ: An economic development plan for southern New Jersey; co-auth, The role of housing in economic development. Address: 916 Rail Court, McLean, Va. 22101.
- GERJUOY, DR. HERBERT (GEORGE). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 354 Clay St, Monterey, Calif. 93940.
- GERKEN, PROF. C(LAYTON) d'A(RMOND). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. ed. psychol. & psychol, Nebraska, 66- Address: Route 1, Palmyra, Nebr. 68418.
- GERLACH, DR. FREDERICK H. International Relations. See A-K Vol., 11th ed, Soc. & Behav. Vols. New position: Consular officer, U.S. Embassy, Rabat, Morcoco, 70- Address: 1711 N. Quincy St, Arlington, Va. 22207.
- GERLETTI, PROF. JOHN D. Public Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir, 68-, Delinquency Control Institute, University of Southern California, Los Angeles, Calif. 91030.
- GERMANI, PROF. GINO. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New publ: Sociologia de la modernización, Paidos, Buenos Aires, 69. Address: Dept. of Social Relations, Harvard University, William James Bldg, 570, Cambridge, Mass. 02138.
- GEROW, DR. JOSHUA, III, b. Liberty, N.Y. Apr. 29, 41; m. 67. PSYCHOL-OGY. B.A. State Univ. N.Y. Buffalo, 63; Ph.D.(psychol), Tennessee, 67. Asst. prof. PSYCHOL, Colorado, 67-69; ASSOC. PROF. PURDUE, F.T. WAYNE, 69- Psycholinguistics; verbal learning and behavior; language acquisition. Publ: Co-auth, The role of congruent and incongruent evaluative contexts in word association, J. Verbal Learning & Verbal Behav, 68; The role of rules of recall, 68 & auth, Learning of rules of categorized free recall, 69, Am. J. Psychol. Address: Dept. of Psychology, Purdue University, Ft. Wayne Campus, Ft. Wayne, Ind. 46805.
- SKY, Y. Wayne Campas, A. Wayne, Ind. veroco.

 GERSHENBERG, DR. RIVING, b. New York, N.Y., Feb. 29, 32; m. 61; c. 3.

 ECONOMICS, ECONOMIC HISTORY. B.A., City Col. New York, 54; M.A.,
 California, Berkeley, 57, Ph.D. (econ), 67. Asst. economist, Calif. State
 Dept. Water Resources, 58-61; teaching asst. econ, California, Berkeley,
 62-63, assoc. soc. sci, 63-65; ASST. PROF. ECON, CONNECTICUT, 65RES. FOUND. GRANT, 69-, summer faculty fel, 67. Nat. Defense For.
 Lang, fel, African Studies Center, California, Los Angeles, 68-69; lectr.,
 Makerere Univ. Col. Uganda, 69- Adv, third five year develop plan, Govt.
 of Uganda, 69- Econ. Asn; Econ. Hist. Asn; African Studies Aan. Role of
 financial institutions in the economic development of East Africa and an
 analysis of needed structural change. Publ: Impact of independence on role
 of commercial banking in Uganda's economic development, Proc., United
 Soc. Sci. Conf, Nairobi, 12/69; The Negro and the development of white
 public education in the South, J. Negro Ed, winter 70; Southern attitudes
 towards education, Hist. Ed. Quart, spring 70. Address: Dept. of Economics, University of Connecticut, Storrs, Conn. 06268.
- GERSHENSON, MAURICE I(RVING). Economics, Statistics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Independent consult. economist. & statistician, 68- Address; 928 Colusa Ave, Berkeley, Calif. 94707.
- GERSTMAN, DR. HUBERT L, b. Buffalo, N.Y, Feb. 20, 34; m. 59; c. 2. SPEECH PATHOLOGY, AUDIOLOGY. B.S, State Univ. N.Y, Col. Geneseo, 55; M.Ed, Pa. State, 60, D. Ed. (Clin. speech), 62. Res. asst. speech path. & audiol, Pa. State, 60, D. Ed. (Clin. speech), 62. Res. asst. speech path. & clin. psychologist, St. Elizabeth's Hosp, D.C. 62-63; speech pathologist & audiologist & clin. psychologist, St. Elizabeth's Hosp, D.C. 62-63; speech pathologist & audiologist & Akron, Ohio, 63; asst. prof. speech, coordinator audiol. serv. & dr. r. spec. projs, Univ. Akron, 63-65; CLIN. DIR. SPEECH PATH. & AUDIOL, SPEECH, HEARING & LANG. CENTER, NEW BYG. MED. CENTER HOSPS, BOSTON, MASS, 65-ASST. PROF. PHYS. MED. & REHAB, SCH. MED, TUFTS, 65- Speech pathologist & audiologist, center Commun. Disorders, Alexandria, Va, 82-63; lett; seminar training otologists, Akron Acad. Otolaryngol. & Buchtel Col. Colloquium, Univ. Akron, 64; Boston Univ, 66-67. Consult, Halitax Hearing & Speech Center, 66- Am. Speech & Hearing Asn. (legis: councillor, 69-73); Am. Soc. Study Commun. Motivational aspects of human behavior, especially speech and hearing in children; aphasia therapies; site of lesion audiometry, particularly sound localization and cortical deficit. Publ: Co-auth, The motivation of speech and hearing handicapped school children. U.Spept. Ed. & Pa. State Univ, 6/60; auth, A case of aphasia, J. Speech & Hearing Disorders, 2/64. Address: Speech, Hearing & Language Center, Tufts University School of Medicine, 185 Harrison Ave, Boston, Mass. 02111.
- GERSTMAN, DR. LOUIS J(OSEPH). Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. prof. psychol, City Col, 69-; consult. dept. systs. design & develop, systs. res. inst, Int. Bus. Mach. Corp. Address: 53 St. Marks Place, New York, N.Y. 10003.
- GERTH, DR. DONALD ROGERS. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information. Also assoc. v.pres. acad. affairs, 69-, Chico State College, Chico, Calif. 95926.
- GERWIN, DR. DONALD, b. Brooklyn, N.Y, June 13, 37; m. 64; c. 2. BUSINESS ADMINISTRATION. B.S. Carnegie-Mellon Univ, 58, Ph.D.(indust. admin), 67; N.Y. Univ, 60-62; M.S. Case Western Reserve, 61. Opers. res. analyst, Allied Chem. Corp. N.Y, 50-62; Resources for Future fel, 64-65; instr. orgn. sci., Case Western Reserve, 65-67; ASST. PROF. BUS. ADMIN, WISCONSIN-MILWAUKEE, 67- Off. Ed. res. grant, 68-69. U.S.A, 61. AAAS; Inst. Mgt. Sci; Polit Sci. Asn. Administrative decision making in

- the public sector, particularly allocation of financial resources. Publ: Budgeting public funds: the decision process in an urban school district, Univ. Wis, 69; A process model of budgeting in a public school system, Mgt. Sci. 3/69; Towards a theory of public budgetary decision making, Admin. Sci. Quart, 3/69. Address: School of Business Administration, University of Wisconsin-Milwaukee, Milwaukee, Wiss. 53201.
- GESCHWENDER, DR. JAMES A(RTHUR). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 70-, Dept. of Sociology, State University of New York at Binghamton, Binghamton, N.Y. 13901.
- GESSNER, DR. PETER K. Pharmacology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- GESSOW, ALFRED. Physics, Applied Mathematics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- GETTELL, DR. RICHARD GLENN. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Financial v.pres, 69-, The Phoebe Waterman Foundation, Inc, 1819 John F. Kennedy Blvd, Philadelphia, Pa. 19103.
- GEYER, DR. ALAN. Christian Ethics, Political Science. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- GEYER, PROF. HERBERT G(EORG). Economics, Public Finance. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. 69-, Dept. of Economics, Hunter College, 695 Park Ave, New York, N.Y. 10021.
- GEYER, DR. JOHN JACOB, b. Los Angeles, Calif, Apr. 19, 27; m. 62; c. 2. EDUCATION, PSYCHOLOGY. B.A, California, Los Angeles, 51; M.A, San Diego State Col, 60; Ph.D.(ed. psychol), California, Berkeley, 66. Asst. prof. ed, San Diego State Col, 65-67; ED. PSYCHOL, RUTGERS, 67-70, ASSOC. PROF, 70. Eval. consult, Ed. Records Bur, New York, 68. AAAS, Psychol. Asn; Ed. Res. Asn. Sensory processes and perception in reading; measurement and evaluation. Publ: The prediction of a temporal eyevoice span constant, In: Perception and reading, 68 & Models of perceptual processing in reading, In: Theoretical models and processes of reading, 70, Int. Reading Asn. Address: 84 Woodland Rd, Piscataway, N.J. 08854.
- GHERITY, PROF. JAMES A, b. Highland Park, Mich, Dec. 19, 29; m. 55; c. 2. ECONOMICS. B.A, Wayne State, 51; M.A, Michigan, 52; Ph.D. (econ), Illinois, Urbana, 58. Asst. prof. ECON, Mich. State, 55-59; Mich. State-Oakland, 59-61; State Univ. N.Y. Buffalo, 61-64; from assoc. prof. to PROF, NORTHERN ILLINOIS, 64- Am. Econ. Asn; Royal Econ. Soc; Scottish Econ. Soc. Chistory of economic thought, particularly historical environment and development of thought in related fields. Publ. Economic thought; a historical anthology, Random, 65; Thomas DeQuincey and Ricardian orthodoxy, Economica, 62; A quest for an unrecognized publication of Adam Smith, Scottish J. Polit. Econ, 71. Address: 9 Evergreen Circle, DeKalb, Ill. 60115.
- GHIARDI, JOHN F. L. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Adv, Fed. Reserve Bd, 68- Address: 12 Park Overlook Court, Bethesda, Md. 20034.
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- GIBB, DEAN RICHARD D(EAN). Agricultural Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 707 N. Monroe, Pierre, S.Dak. 57501.
- GIBBARD, PROF. HAROLD A(LLAN). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also acting dean, 69-, College of Arts & Sciences, West Virginia University, Morgantown, W-Va. 26506.
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- GIBBS, DR. JAMES O(WEN), b. Oakland, Calif, Oct. 9, 39; m. 64; c. 1. SO-CIOLOGY. B.A, Rediands, 61; M.A, Washington (Seattle), 64, Ph.D. (sociol), 67. ASST. PROF. SOCIOL, EMORY, 66-Sociol. Asn; Pop. Asn. Am; Nat. Coun. Family Rels. Population; family; religion; organizations. Publ: Sr. auth, The external adaptation of religious organizations; church response to social issues, Sociol. Anal, where 69. Address: Dept. of Sociology & Anthropology, Emory University, Atlanta, Ga. 30322.
- GIBBS, JAMES TAYLCR, b. Washington, D.C, Feb. 26, 25; m. 48, 69; c. 3. ECONOMICS. B.A, Southern California, 52; M.A, Claremont Grad. Sch, 64. Asst. dir. DIV. RES. GEN. ECON. PROBS, AM. INST. ECON. RES. 64-68, DIR. 68- U.S.N, 43-59, Lt. Comdr. Money and credit, particularly the problem of inflating. Publ: Ed, Can our republic survive?, Am. Inst. Econ. Res. 69; auth, Numerous articles and research reports in professional journals, American Institute for Economic Research, Great Barrington, Mass. 01230.
- GIBBY, DR. ROBERT G, JR, b. Youngstown, Ohio, Sept. 22, 39; m. 62; c. 3.
 PSYCHOLOGY. B.A. Richmond, 61; M.A. Catholic Univ, 65, Ph.D.(exp. psy-chol), 68, ASST, PROF. PSYCHOL, VA. COMMONWEALTH UNIV, 65EXEC. DIR, LIFE SCI. RES. INST, INC, 66- Consult, U.S. Pub. Health Serv, 67; A.H. Robbins, Inc. 68- U.S.A. R, 61-63, 1st Lt. Psychol. Asn. Learning; sensory deprivation; autonomic rate of charge parameters; psychomotor skills. Address: Dept. of Psychology, Virginia Commonwealth University, Richmond, Va. 29220.

- GIBSON, DR. GORDON D(AVIS). Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Smithsonian Institution, Washington, D.C. 20560
- GIBSON, DR. JOHN RICHARD, b. Chicago, Ill, Apr. 16, 30; m. 50; c. 2. SCIENCE EDUCATION. B.S.Ed, Illinois State, 52; M.S. Northern Illinois, 58, Ed. J. 68. Teacher, high sch, Ill, 54-58, head sci. dept, 58-66; ADMIN. ASST. ED. CURRICULUM, HIGH SCH. DIST. 86, 66- Prod. develop. consult, Far Best Corp, 64-66. US.N, 48-52; U.S.A, 52-54. Inst. Blol. Sci. Nat. Sci. Teachers Asn. Educational curriculum; science education learning achievement and instructional materials development and assessment. Publ. The mighty electron, Crowell, 67; Curriculum dilemmas, Ill. Ed, 5/66; A report of neurological notes on learning and teaching, Ill. Sch. Res, 2/68. Address: 2 S. 064, Big Horn Dr, Wheaton, Ill. 60187.
- GIBSON, DR. LAY JAMES, b. Fond du Lac, Wis, Nov. 20, 40; m. 63. ECONOMIC & URBAN GEOGRAPHY. B.S. Oregon State, 63; M.A. California, Los Angeles, 66; Ph.D. (geogl, 86. ASST. PROF. GEOG. & AREA DE-VELOP, ARIZONA, 68- Asn. Am. Geog; Am. Geog. Soc; Regional Sci. Asn. Location of footloose industry; the amenities factor in regional growth; factors associated with the incidence of blighted housing. Publ; The amenities as a factor in Arizona's population growth, am. Regional Sci, 6/69; An analysis of the location of instrument manufacture in the United States, Ann. Asn. Am. Geog, 6/70. Address: Dept. of Geography, University of Arizona, Tucson, Ariz. 85721.
- GIBSON, DR. LORENZO TUCKER, JR, b. Oct. 10, 41; U.S. citizen; m. 63; c. 1. POLITICAL SCIENCE. B.A, Carson-Newman Col, 61; M.A, Okla. State, 63; Ph.D. [polit. sci.) Virginia, 68. ASST. PROP. POLIT. SCI, TRIN-ITY (TEX), 68. Polit. Sci. Asn. Legislative-executive relationships in state political systems; Mexican-American politics in south Texas. Address: Dept. of Political Science, Trinity University, San Antonio, Tex. 78212.
- GIBSON, DR. ROBERT CARLTON. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Dir, Ohio State, Mansfield Campus, 68- Address: 1196 Briarwood Rd, Mansfield, Ohio 44907.
- GIBSON, DR. WILLIAM E, b. Farragut, Idaho, Apr. 11, 44. ECONOMICS.
 A.B., Chicago, 64, Ingersoll fel, 64-65, M.A., 65, univ. fel, 65-66, Fed. Reserve Bank Chicago fel, 66-67, Ph.D. (econ), 67. ASST. PROF. ECON, CALI-FORNIA, LOS ANGELES, 67- Econ. Asn, Economet. Soc; Finance Asn, Statist. Asn. Monetary theory; monetary policy; international trade theory; international finance; macroeconomic theory. Publ: Monetary economics, McGraw, 71; Sources of variation in member bank reserves, Rev. Econ. & Statist, 5/67; auth, Interest rates and monetary policy, J. Polit. Econ, 6/70, Address: Dept. of Economics, University of California, 405 Hilgard Ave, Los Angeles, Calif. 90024.
- GIBSON, DR. WILLIAM MILES. Pediatrics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- GIDDON, DR. DONALD BERNARD. Psychology, Dentistry. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. dean commun. affairs & prog. develop, 69-, Tufts University School of Dental Medicine, 136 Harrison Ave, Boston, Mass. 02111.
- GIDEONSE, DR. HENDRIK DAVID. Education, History. See A-K Vol., 11th ed, Soc. & Behav. Vols. New position: Dir. planning & eval, Nat. Center for Ed. Res. & Develop, U.S. Off. Ed, 69- Address: 217A Tenth St, S.E, Washington, D.C. 20003.
- GIESBRECHT, DR. MARTIN G. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. econ. & admin, 69-, Dept. of Economics & Business, Willmington College, Willmington, Ohio 45177.
- GIESKE, DR. MILLARD L, b. St. Paul, Minn, May 29, 31; m. 53; c. 3. PO-LITICAL SCIENCE. B.A, Hamline, 53; Wayne, 54; M.A, Minnesota, Minneapolis, 57, Ph. D. (polit sci), 65. Instr. polit. sci, Minnesota, Morris, 62-65, ASST. PROF. POLIT. SCI. & ASST. DEAN, MINNESOTA, MINNEAPOLIS, 65- U.S.A, 53-55. Polit Sci. Ass., Kada. Polit. Sci. American government and politics; American political parties. Publ: Co-auth, Norwegian-American studies, N.Am. Hist. Asn., Vol. 23, 67. Address: 1323 Seminole Ave, West St. Paul, Minn. 55118.
- GIGLIONI, DR. GIOVANNI B(ATTISTA), b. Perugia, Italy, Jan. 18, 29; U.S. citizen; m. 69. BUSINESS ADMINISTRATION. B.B.A, Tulane, 58, M.B.A, 59; D.B.A, Indiana, 68. Instr. mgt. & mtk. & acting asst. dean, Tulane, 59-60; instr. mgt. & econ, La. State, New Orleans, 62-64; ASSOC. PROF. MGT, MISS. STATE, 64- Consult, U.S. Dept. Lapt., Dept. Labor, Miss. Mfrs. Aan. & indust. firms, 60- Acad. Mgt. Management; management science; production management—Publ: Multiple correlation analysis for manpower forecasting: a case study, Univ. Microfilms, 68; co-auth, A study of the rel-

- evance of NASA programs to programs of research on the environment and on energy sources, Miss. State Univ, 69. Address: P.O. Box 362, State College, Miss. 39762.
- GIL, PROF. DAVID G. Social Welfare. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. soc. welfare, 69-, Florence Heller Graduate School, Brandeis University, Waltham, Mass. 02154.
- GILB, DR. CORINNE L(ATHROP). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 68-, Dept. of History, Wayne State University, Detroit, Mich. 48202.
- GILBERT, PROF. CHARLES E. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Provost, 69-, Swarthmore College, Swarthmore, Pa. 19081.
- GILBERT, PROF. G(USTAVE) M. Psychology. See A.K Vol, 11th ed, Soc. & Behav, Vols. New publ: Personality dynamics: a biosocial approach, Harper, '00- Address: Dept. of Psychology, Long Island University, Brooklyn, N.Y. 11201.
- GILBERT, DR. JAMES E(ASTHAM). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Ph.D.(psychol), American Univ, 69. Assoc. dean univ. admin, off. acad. affairs, Northeastern, 69- Address: 13 Pioneer Rd, Hingham, Mass. 02043.
- GILBERT, DR. JOHN H. V. Audiology, Speech. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. prof. & head, 69-, Division of Audiology & Speech Sciences, University of Columbia, 2150 University Square, Western Pkwy, Vancouver 8, B.C., Can.
- GILBERT, DR. JOSEPH G(ATLIFF). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address; Clin. psychologist, 69-; Dept. of Psychology, South Carolina State Hospital, 2100 Bull St, Columbia, S.C. 2202.
- GILBERT, DR. PETER F. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Proprietor, Peter F. Gilbert & Assocs, 69- Address: 30 Linwood Rd, Wellesley Hills, Mass. 02181.
- GILBERT, DR. WAYNE MASON, b. Joplin, Mo, July 25, 31; m. 54; c. 2. PSY-CHOLOGY, SOCIOLOGY. B.A, Texas, Austin, 56, M.A, 60; Nat. Sci. Found. summer fel, Kanasa, 62, Ph.D. (bsychol), 68. Teacher pub. schs, 57.58; instr. psychol, Missouri Southern, 58.63; clin. psychologist, Kans. S6.65; instr. psychol, part-time, Kanasa, 65.66; clin. psychologist, Kans. Neurol. Inst, 66.68; ASSOC. PROF. PSYCHOL, NORTHEAST LA. STATE COL, 68. U.S.A.F, 49.53, S/Sgt. Psychol. Asn. Projective test development; use of stereotypes in person perception; socio-cultural determiners of ahnormal behavior. Address: Dept. of Psychology, Northeast Louisiana State College, Monroe, La. 71201.
- GILBERT, DR. WILLIAM H(ARLEN). Social Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Lectr. anthrop, Montgomery Col, 69 Address: 9015 First Ave, Silver Spring, Md. 20910.
- GILCHRIST, DR. VARGE, b. Cardston, Alta, Sept. 26, 16; m. 42; c. 6. AGRI-CULTURAL ECONOMICS, ECONOMICS. B. Sc. Alberta, 49, M. A., 51; assistantships, Oregon State, 56-58; Ph.D. (agr. econ), 63. Economist, Can. Dept. Agr, 51-59, chief farm mgt, 59-65; econ. adv. Agr. Rehab. & Develop. Admin, Can, 65-66; assoc. dir. res, ECON. BR. CAN. DEPT. AGR, 66-69, DIR. RES. DIV, 69- R.C.A.F., 41-45, Flight Lt. Am. Agr. Econ. Asn; Can. Agr. Econ. Soc. (v. pres, 64). Production economics in agriculture; direction of research in all economic aspects of agriculture. Publ.: A pilot study of income alternatives affecting the movement of farm operators out of agriculture, culture, 63 & Projecting capital accumulation for the agricultural firmhousehold, 66, Can. J. Agr. Econ. Address: 1300 Field St, Ottawa 5, Ont, Can.
- GILDSTON, DR. HAROLD, b. Detroit, Mich, May 11, 25; m. 51; c. 2. SPEECH PATHOLOGY & AUDIOLOGY. A.B. Brooklyn Col. 48; A.M. Columbia, 58; Ed. D. (speech path, audiol), 64. Teacher multiple handicapped, Mill Neck Manor Lutheran Sch. Deaf, N.Y., 58-59; lectr. SPEECH, City Col. New York, 60-62; ASSOC. PROF. C.W. POST COL. LONG ISLAND, 62-, dir, perroid Mark Ladge Mem. Speech & Hearing Center, 64-68. Dir, Rockville Gen. Hearing & Speech Center, N.Y., 61- Consult, Port Washington Pub. Schs, N.Y., 58-60; Indust. Home for Blind, New York, 66-; Bayview & Fairview Nursing Homes, L.I., 66- U.S.N. 43-64, Lt. (gl.) Speech & Hearing Asn. (cert) Audiology; speech science; voice language and speech pathologies. Publ: Principles of isometric exercise as applied in voice therapy, de Therapia Vocis Etloquelae Acta Otolaryngologica, 8/65; co-auth, General semantics and rhetoric, Today's Speech, 11/66 & Portrait of a speech and hearing center, L.I. Univ. Mag, fall 66. Address: 2 Hilltop Dr, Great Neck, N.Y. 11021.
- GILDSTON, DR. PHYLLIS, b. New York, N.Y. Feb. 14, 31; m. 51; c. 2.
 SPEECH PATHOLOGY & AUDIOLOGY. A.B., Cornell, 51; M.S. Queens Col.
 59; Ph.D. (speech path, & audiol, psychol), Columbia, 64. Speech & hearing
 clinician res. & coordinator, Mill Neck Manor, Lutheran Seh, for Deaf, N.Y.
 58-59; speech & hearing clinician, part-time, N.Y. League for Hard of Hearing, 59-62; from lectr. to ASST. PROF. SPEECH & SUBVR. CLIN. PRACTICUM, BROOKLYN COL., 63- Adminstr. Prog. in Speech & Hearing Therapy, Garden City Pub. Schs, N.Y., 59-62; lectr. & adj. asst. prof., C.W. Post
 Col., Ll. Univ, 62-63 & summers, 64-67; asst. prof. speech path. & audiol.
 & supur. clinical practicum, Hunter Col, summer, 68. Consulting audiologist, Rockwille Gen. Hearing & Speech Center, N.Y., 61; consult, Indust.
 Home for Blind, 66-; Bayview & Fairview Nursing Homes, L.I, 66- AAAS;
 Speech & Hearing AS, Illegange and Speech pathology. Publ: The hard
 of hearing child in the Classroom, Volta Rev, 5/62; co-auth, General semantics and vhetoric, Today's Speech, 11/66; auth, Stutterers' self acceptance

and perceived parenta acceptance, J. Abnorm. Psychol, 2/67. Address: Dept. of Speech Pathology & Audiology, Brooklyn College, Brooklyn, N.Y. 11210.

GILFILLAN, DR. S. COLUM. Social Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1301 Ocean Ave, Santa Monica, Calif. 90401.

GILL, DR. HARPAL SINGH. Political Science, Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also coordinator, 69-, Dep of Political Science, Northeastern State College, Tablequah, Okia. 74464.

GILL, DR. LYNN EDWARD. b. Traverse City, Mich, June 28, 39 m. 63; c. 1. MARKETING, BUSINESS LOGISTICS. B.S. Mich. State, 62; M.B.A, Southern California, 65; Nat. Defense Ed. Act fel, Onio Sate, 65-66, Ph.D.Duss), 68. Mgt. engr, Procter & Gamble Co, summer 61; res. engr, N.Am. Rockwell Corp, 62-64; teaching assoc. prod. mgt, Ohio State, 67; ASST. PROF. MRT, SOUTHERN CALIFORNIA, 68-Consult, McDonnell Douglas Corp, Calif, 68-; Distribution Systs, Inc, 69-Mkt. Asn; Soc. Traflic & Transportation. Business logistics systems; applications of graph theory to role analysis in interorganizational systems; graph theory application of commodity flows in the economy. Publ: A graph theory interpretation of distribution channel structure, Ohio State Univ, 68; Role and role expectations, In: Distribution channels, Houghton, 69; Graph theory models of distribution channel structure, in: Essays in marketing theory, Allyn & Bacon, 70. Address: Dept. of Marketing, University of Southern California Graduate School of Business, Los Angeles, Calif. 90007.

GILL, PROF. ROBERT LEWIS, b. Winnsboro, S.C, Dec. 26, 12; m. 41; c. 2. POLITICAL SCIENCE. A.B, Livingstone Col. 33; M.A, Michigan, 37, Ph.D. (polit. sci.), 42; fel, Hopkins, 47-48, 50-51. Coach & dir. athletics, Livingstone Col.), 43-6; asst, prof. hist. & polit. sci. Lincoln (Mol.), 40-42; PROF, Prairie View Agr. & Mech. Col., 42-45; POLIT. SCI, MORGAN STATE COL., 45-State of Md. Higher Educ. fel, Am. Univ. & Univ. Denver, 50; Monumental Bar Asn. fel, Univ. Md. Sch. Law, 51-53; summers, prof. Atlanta, 46, Texas Southern, 48, Delaware, 58 & Massachusetts, 68. Consuit, Dept. Recreation, Baltimore City, 55-; Textbook Pub, Inc, 56-; Title VI Prog. U.S. Off. Ed., 67- U.S.A., F., 45-46; Nat. Guard, 46-48, Maj. Asn. Study Negro Life & Hist; Acad. Polit. Sci., For. Policy Asn.; Acad. Polit. & Soc. Sci. American constitutional law and development; Far Eastern governments and politics; American government political theory. Publ: The Omega Psi Phi fraternity and men who made its history 1911-1961, Judd & Detveiller, 62; The legal aspects of the Chinese in the Philippines, Am. Libr. Asn. 66; Thale Respondent of the Chinese in the Philippines, Am. Libr. Asn. 66; Shaping the Negro revolution through court decisions 1964-1966, Teachers J. Human Rels, 4th Quarter, 67. Address: Dept. of Political Science, Morgan State College, Baltimore, Md. 21212.

GILLESPIE, DEAN ALBA M(ELVIN). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dean, 69-, Graduate Studies & Research, Humboldt State College, Arcata, Calli. 95521.

GILLESPIE, RAYMOND HOWARD). Statistics, Mathematics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Data Processing Division, The Jockey Club, 2216 Young Dr., Lexington, Ky. 40503.

GILLESPIE, DR. ROBERT V. b. Ft. Wayne, Ind. Feb. 1, 35; m. 59; c. 2. AUDIOLOCY, PSYCHOACOUSTICS. B.S. Ball State, 57; M.S. Western Reserve, 59; Ph.D. (audiol), Iowa, 64. ASST. PROF. AUDIOL, UNIV. PITTSBURGH & DR. AUDIOL, SPEECH & PSYCHOL. CLIN, MERCY HOSP, 64- Acoustical Section of the Computing Ass. Address: 129 Rawlins Run Rd, Pittsburgh, 51,513,513,514

GILLIS, DR. JOHN S(IMON). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Lectr. 69-, Dept. of Psychology, Australian National University, Camberra, A.C.T., Australia 2800

GILLIS, DR. STEPHEN MALCOLM, b. Dothan, Ala, Dec. 28, 40; m. 62; c. 2. ECONOMICS. B.A, Florida, 62, M.A, 63; Midwest Univs. Consortium summer fel, 67; Duke Univ. Res. Coun. grant, 67-68; Ph.D (econ), Illinois, 68. Asst. prof. ECON, Duke, 67-69; LECTR, HARVARD & RES. ASSOC, HARVARD LAW SCH. & DEVELOP. ADV. SERV, 69-Res. staff economist, Colombian Cmm. Tax Reform, Bogotá, 68. Spec. short term summer advr, Ministry Finance, Ecuadorian Govt, 68; summer consult, Nat. Planning Dept, Govt. Colombia, 69. Econ. Asn, Nat. Tax Asn. Public finance, particularly

taxation and theory of public expenditures; tax reform in developed and developing economics; theory and practice of growth and development. Publ. Ed. Fiscal reform for Colombia, Int. Tax Prog. Harvard, (in press); auth, Sales tax reform & Reform of municipal indirect taxes, service taxation and stamp duties, in: Fiscal reform for Colombia, Int. Tax Prog. Harvard, (in press). Address: Dept. of Economics, Harvard University, Cambridge, Mass. 02138

GILMORE, DR. STUART I, b. New York, N.Y. July 24, 30; m. 50; c. 5. SPEECH PATHOLOGY, AUDIOLOGY. A.B, State Univ. N.Y. Albany. 50, M.A., 51; Ph.D. (speech), Wisconsin, 62. Instr. speech, Talladega Col, 51-53; dir, Speech & Hearing Clin, Columbia, S.C, 54-60; asst. prof. speech path, med. sch, Vanderbilt, 60-62; SPEECH, Wisconsin, 62-65; ASSCO: PROF, LA. STATE, BATON ROUGE, 65- Consult, La. State Bd. of Health & Dept. of Ed. 65- Speech & Hearing Asir, Cleft Palate Asir, Acad. Aphasia. Somatopsychology of speech disorders; factors affecting articulatory development in children. Publ: Rehabilitating laryngectomers, Am. J. Nursing, 61; co-auth, Incidence and related factors in cleft palate births, Cleft Palate J, 66 & Race, tural urban residence, socioconomic level and responses to articulation test stimuli, South. Speech J, 67. Address: Room 217, Medical & Dental Administration Bldg, Lousiana State University, Baton Rouge, La. 7803.

GILSON, DR. JOHN F(RANCIS). Educational Psychology. See A-K Vol., 11th ed, Soc. & Behav. Vols. Change of address: Fordham University, Loyola Hall, Bronx, N.Y. 10458.

GILSTER, LT. COL. HERMAN L, U.S.A.F, b. Danville, Ill, Mar. 11, 30; m. 57; c. 3. ECONOMICS. B.S, U.S. Mil. Acad, 53; M. B.A, Denver, 57; M.P.A. HARVARI, 65, Ph.D. (econ), 68. U.S. ARF FORCE, 52-, instr. econ. U.S. Air Force Acad, 63-64, assoc. prof., 67-69, DEP. OF STAFF ANALYST COMBAT OPERS, HQ. TTH AIR FORCE, SAIGON, 69 - Consult, Dep. Chief of Staff, Idq, Air Force, 67-69. Economet. Soc; Econ. Asn. Labor-capital trade-offs in military aircraft maintenance; air crew productivities. Public A dynamic decision model for arms procurement, In: Papers in quantitative economics, Univ. Kansas, 68; Let's stop using labor as a free good, Air Univ. Rev, 69; A combat crew production function, U.S. Air Force Acad. Tech. Report, 69. Address: Dept. of Economics & Management, U.S. Air Force Academy, Colo. 80840.

GINMAN, DR. PETER J, b. Springfield, Mass, Jan. 4, 37; m. 58; c. 1. ECO-NOMICS BA, American Univ. 62; M.A. Mich. State, 64, Ph. D. (econ), 69. ASST. PROF. ECON, BOSTON, 68- Lectr. Emmanuel Col. (Mass), 68-U.S. M.C, 54-59, Sgt. Am. Econ. Asn; Royal Econ. Soc. International economics, effect of uncertainty under flexible and pegged exchange rates; improvements in conventional elasticity estimations in international trade: use of tariffs as antitrust policy tools. Address: Dept. of Economics, Boston University, Boston, Mass. 02215.

GINSBURG, PROF. BENSON E(ARL). Genetics. See D-G Vol. & Suppl. V & VI to 11th ed, Phys. & Biol. Vols.

GINSBURG, DR. HERBERT PAUL, b. New York, N.Y, Sept. 26, 39; m. 61; c. 3. PSYCHOLOGY. B.A, Harvard, 61; M.A. & Ph.D. (psychol), North Carolina, Chapel Hill, 65, Asst. prof. CHILD DEVELOP, CORFA Lt. 65-69, ASSOC. PROF, 69- Res. grants, Nat. Inst. Ment. Health, 66-67; U.S. Off. Ed. 67- Psychol. Asr; Soc. Res. Child Develop. Intellectual development. Publ: Co-auth, Piaget's theory of intellectual development, Prof. 169, Assoc. Res. Child Development, Cornell University, Ithaca, N.Y. 1485d.

GINSBURG, DR. NORMAN M(ORA). Psychology. See A-K Vol., 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. 69-, Lakehead University, Port Arthur, Ont, Can.

GIOLAS, DR. THOMAS G, b. Chicago, Ill, Jan. 23, 33; m. 60; c. 2. SPEECH PATHOLOGY, AUDIOLOGY B.S, Indiana, 54, M.A. 56; Ph.D.(audiol), Pittsburgh, 60. Asst. prof. hearing, Alabama, 59-63, assoc. prof. 63-67, co-dir, speech & hearing clin, 63-66, dir, 66-67; ASSOC. PROF. HEARING, CONNECTICUT, 68- Univ. Kansas, Bur. Child Res. fel, 67-68. Speech & Hearing Asn; Acad. Rehab. Audiol. Speech intelligibility; measurement of hearing handicap; motivation and lipreading ability. Publi Comparative intelligibility scores of sword tests and continuous discourse, J. Speech & Hearing Discourse, J. Speech & Hearing Discourse, J. Auditory Res, 66; Effectiveness of the social adequacy index, J. Speech & Hearing Discorders, 66. Address: Dept. of Speech, University of Connecticut, Storrs, Conn. 06268.

GIOVINETTO, DR. MARIO BARTOLOME. Climatology, Glaciology. See Suppl. V & VI to 11th ed, Phys. & Biol. Vols.

GIPSON, DR. MARTIN T, b. Long Beach, Calif, June 27, 37; m. 63. PSY-CHOLOGY. A.B, Chico State Col, 59; Illinois, 59-61; Ph.D.(psychol), Vanderbilt, 68. ASST. PROF. PSYCHOL, UNIV. OF THE PACIFIC, 65. AAAS. Attentional processes in discrimination learning; learning processes in deviant behavior phenomena; genetic control of learning. Address: Dept. of Psychology, University of the Pacific, Stockton, Calif. 95204.

GIRARD, DR. JACQUES, b. Verdun, Que, May 11, 31; m. 57; c. 4. GEOG-RAPHY. B.A. Montreal, 53, M.A., 55, Ph.D. (gcog), 69. Geogr., Econ. Geog. Serv, Prov. Que, Gord, 57-60, interim dir, 60-61; chief geog. sect. Econ. Res. Bur, DEPT. INDUST. & COMMERCE, QUE, 61-64, regional studies div, 64-69, interim dir. Econ. Res. Bur, 69-, DIR. REGIONAL STUDIES SERV, 69-; CMNR, GEOG. CMN, PROV. QUE, 67- Lectr, St. Denis & St. Viateur Cols, 58-66; Univ. Montreal, 59-61. Mem, Nat. Adv. Cmt. Geog. Res. Can, 70-73. Asn. Am. Geog; Can. Asn. Geog. Manufacturing geography and regional planning, especially concerning the Province of Quebec; administration. Publ. Atlas of Quebec: 1, Agriculture, 2, Population, 3, Industrial activities, 4, Tertiary sector, Govt. Que, 65-68; co-auth, Quebec division in administrative regions and subregions, 66 & Les pôles d'attraction du Québec et leurs zones d'influence, 67, Govt. Que. Address: 365 Mortagne, Boucherville, Que, Can.

- GIRNDT, DR. HELMUT. Philosophy. See Suppl. I to 5th ed, Dir. Am. Scholars.
- GIRVETZ, PROF. HARRY K(ENNETH). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- GIST, PROF. RONALD RALPH, b. St. Louis, Mo, May 15, 32; m. 53; c. 4. MARKETING, MANAGEMENT. B.S. Missouri, 58, M.S. 59; Ph.D. (mkt, econ), Illinois, 64. Asst. prof. mkt, Missouri, 63-64; Southern California, 64-66; assoc. prof. Oregon State, 66-67; Nebraska, 67-69; BEAUMONT PROF. MKT. & MGT, DENVER, 69 Univ. Southern California res. grant, 65-66. Mem, Advert. Res. Found. Sig.C, U.S.A, 54-55. Mkt. Asn. Business and economic research, including product development and testing, advertising, location and consumer behavior. Publ: Management perspectives in retailing, 67 & Retailing: concepts and decisons, 68, John Wiley & Sons; Marketing and society, Holt, Vol. I & II, 70. Address: Dept. of Marketing and Management, University of Denver College of Business Administration, Denver, Col. 80210.
- GITELMAN, PROF. MORTON. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- GITHENS, DR. WILLIAM HARVEY. Industrial Psychology. See A-K Vol., 11th ed, Soc. & Behav. Vols. New information: Vis. prof. indust. psychol, U.S. Naval Postgrad. Sch, 69- Address: 833B Sinex, Pacific Grove, Calif. 39350.
- GITTER, DR. A. GEORGE. Social Psychology, Communications. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Communications Research Division, Boston University, 640 Commonwealth Ave, Boston Mac
- GLADE, PROF. FREDERIC H, JR. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Adj. prof. mkt, American Univ, 69-, dir. div, bus, Hopkins, 69- Address: Johns Hopkins University, Homewood Campus, 33rd & N. Charles St, Baltimore, Md. 21218.
- GLADIS, DR. MICHAEL. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Educational Psychology, University of Pittsburgh, 617 C.L. Pittsburgh, Pa. 15213.
- GLADSTONE, ARTHUR (ISAIAH). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: San Francisco Gestaft Therapy Institute, 2678 California St, San Francisco, Calif. 34115.
- GLADSTONE, DR. ROBERT JAY. Operations Research, Applied Mathematics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- GLADWIN, DR. THOMAS. Anthropology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Vis. prof, 69-, Dept. of Anthropology, University of Hawaii, 2550 Campus Rd, Honolulu, Hawaii 96822.
- GLANZ, DR. EDWARD COLEMAN. Guidance, Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Pres, Southampton Col, 69-Address; Atterbury Rd, Southampton, N.Y. 11968.
- GLASER, PROF. DANIEL. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. sociol, 70-, Dept. of Sociology & Anthropology, University of Southern California, University Park, Los Angeles, Calif. 90007.
- GLASNER, DR. DANIEL M(AYER), b. Uniontown, Pa, Mar. 20, 40; m. 58; c. 2. ORGANIZATION PSYCHOLOGY. B.A, Hopkins, 60; M.S, Purdue, 62, Ph.D. Lindust, psychol), 63. Indust, psychologist, Eli Lilly & Co, 63-65, dept. head personnel develop, 65-66; assoc, EDWARD N. HAY & ASSOCS, 67-68, prin, 68-69, SR. PRIN, 69- Psychol. Asr, Soc. Training & Develop. Factors affecting human effectiveness in organizational settings; relationships between individual and organizational effectiveness. Publ: Co-auth, Development of bank management personnel, Am. Bankers Asn, 69; auth, Why management development goes wrong, Personnel J, 9/66; Patterns of management personnel, Am. Bankers Asn, 69; auth, 48 and 48 a
- GLASS, DR. DAVID C(ARTER). Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Psychology, New York University, 4 Washington Place, New York, NY, 10003.
- GLASSMAN, DR. ROBERT BRUCE. Physiological Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- GLAZER, PROF. NATHAN. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. ed. & soc. structure, 69-, Harvard University, 24 Garden St, Cambridge, Mass. 02138.
- GLAZER, DR. WALTER STIX. American Social & Urban History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- GLEASON, DR. GERALD THOMAS. Educational Psychology. See A-K Vol. 11th ed, Scc. & Behav. Vols. New position: Spec. asst. to chancellor, 68-, University of Wisconsin-Milwaukee, Chapman Bldg. 112, Milwaukee, Wis. 53201.
- GLEN, PROF. ROBERT S. Psychiatry. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. 68-, Dept. of Psychiatry, Southwestern Medical School, University of Texas, Dallas, Tex. 75235.
- GLENDENING, DR. PARRIS N(ELSON), b. Bronx, N.Y., June 11, 42. POLITI-CAL SCIENCE, URBAN AFFAIRS. B.A., Fla. State, 64, M.A., 65, Ph.D. (govt), 67. ASST. PROF. GOVT. & POLIT, MARYLAND, 67. Wash. Center Metrop, Studies fel, 68-70. Mem. exec. cmt, Univ. Md. Coun. Urban Studies & Prince George's County Goals Cnt., 68: mem., coun. univ. insts. urban affairs. Polit. Sci. Asn; Acad. Polit. Sci; Soc. Pub. Admin; Int. Polit. Sci.

- Asn. Urban affairs; simulation and gaming; intergovernmental relations. Publ: Co-auth, Controversies of state and local political systems, Allyn & Bacon, 70; Local government reorganization, Fla. State Univ. Govt. Res. Bull, 68. Address: P.O. Box 313, College Park, Md. 20740.
- GLICK, DR. EDWARD MAURICE, b. Cleveland, Ohio, May 23, 20; m. 46; c. 2. POLITICAL SCIENCE, MASS COMMUNICATIONS. B.A., Ohio State, 43, Ph.D. [Oplit] s.ci), 66; M.A., Western Reserve, 47. Pub. officer, U.S. Dept. State, 51-53; asst. chief pub. & reports, Off. Voc. Rehab, Dept. Health, Ed. & Welfare, 54-55; chief pub. & reports, Nat. Inst. Neurol. Diseases & Blindness, 55-57; pres, Glisand Corp, D.C. 57-60; prof. journalism, American Univ, 62-63; polit. sci, George Washington, 63-64; Univ. Maryland, 64-65; MANAGING DIR, AM. INST. POLIT. COMMUN, WASH, D.C., 65- Consult, U.S., Pub. Health Serv, 59-60; U.S. Senate Judiciary Cmt., 63-64; Com. for TV Develop, 66-67. Spec. correspondent, Times of London, 60-62. U.S.A, 43-45. Communication as it relates to development and dissemination of political data and to the impact of such data on the public mind. Publ: The new methodology: study of political strategy and tactics, 67, co-auth, The Fedural Government-daily press relationship, 67 & auth, Media and non-media effects on formation of public opinion, 69, Am. Inst. Polit. Commun. Address: 7106 Amy Lane, Bethesda, Md. 20034.
- GLICK, DR. OREN. Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 69-, Seattle Univ, Seattle, Wash. 98122.
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- GLOBUS, DR. ALBERT. Neuroanatomy, Neurophysiology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- GLOFKA, DR. PETER THOMAS, b. Wilkes-Barre, Pa, Dec. 25, 26; m. 51; c. 4. GUIDANCE, COUNSELING, B.S. Ed, Manstield State Col, 51; M.S. Ed, St. Bonaventure, 58; Nat. Defense Ed, Act fel. & Ed. D. (guid), Illinois, 66. Teacher, Montrose Consol, Schs, 51-54; Allegany Cent. Sch, 57, counsr, 57-63; ASSOC. PROF. COUNSR. ED, WIS. STATE, CSHKCSH, 66: Summer vis. prof, 5t. Bonaventure, 65; Illinois, 66. Psychol. Asn. Personnel & Guid. Asn.; Asn. Counsr. Ed. & Supv. Parent and child attitudes concerning four areas of development; role and function of elementary and junior high school counselors; group counseling and techniques with various groups. Publ; Co-auth, Guidance needs in the elementary school—cue to preparation of counselors, Counsr. Ed. & Supv. fall 67, A comparison of self-concept of senior nursing students participating nursing students, Nursing Res, 10/68 & Group counseling with university students on academic probation, Col. Student Personnel Abstracts, 1/70. Address: Dept. of Counselor Education, Wisconsin State University, Oshkosh, Wis. 54901.
- GLOGOW, DR. ELI, b. Brooklyn, N.Y. Mar. 9, 24; m. 46; c. 2. PUBLIC HEALTH ADMINISTRATION. B.S. California, Los Angeles, 49, Dr. P.H. (pub. health ed, med. care orgn), 68; M.P.H. California, Berkeley, 51. Pub. health sanitarian, Oakland Health Dept, 49-50; health ed, field rep, Los Angeles County Tuberc. Asn, 51-54; super. health ed, San Francisco Tuberc. Asn, 54-55; pub. health educator & asst. dir. Los Angeles City Health Dept, 55-64; ASSOC. PROF. HEALTH SERV. ADMIN. & COMPREHENSIVE HEALTH PLANNING, SOUTHERN CALIFORNIA, 68- Vis. faculty mem, West. Center Continuing Ed, Univ. California Exten, 68- Consult, Vet. Admin. Hosp, White Mem. Med. Center & Cedars Sinai Hosp, Los Angeles, 68-U.S.A. 43-46. Pub. Health Asn, Staff and organization development: health services administration; health education. Publ: Plant sanitation and microbiology of frozen foods, Santarian, 5-6/50, Nurses use the group process, Adult Leadership, 10/54 & Effects of health education methods on appointment-breaking, Health Reports, 6/70. Address: University of Southern California School of Public Administration, University Park, Los Angeles, Calif. 90007.
- GLOS, PROF. R(AYMOND) E(UGENE). Finance, Accounting. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 69. Address: 110 E. Spring St, Oxford, Ohio 45056.
- GLOVER, DR. ROBERT SPICER. Agricultural Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Mkt. develop. specialist, 68-, Cooperative Extension Service, Coliseum, University of Georgia, Athens, Ga. 30601.
- GLUCK, DR. SAMUEL E. Social & Political Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- GLIECK, DR. WILLIAM F. b. Cincinnati, Ohio, Dec. 24, 34; m. 58; c. 4.
 MANAGEMENT. B.S. Xavier, 56, M.B.A, 63; Ph.D. (bus. admin), Mich. State,
 66 Salesmor, Frank Glueck & Co., 58: 63; Inst. mrg, Mich. State, 63: 64,
 68 G. Salesmor, Frank Glueck & Co., 58: 63; Inst. mrg, Mich. State, 63: 64,
 68 G. Salesmor, Frank Glueck & Co., 58: 63; Inst. mrg, Mich. State, 63: 64,
 ASSOC, PROF, MISSOULY COLUMBIA, 68: PROG, DIR. ADMIN, BUS. &
 PUB. ADMIN. CENTER & FACULTY RES. ASSOC, SPACE SCI. RES. CENTER, 69: NASA 16; 169: U.S.A, 56: 56; Is tt. L. Acad. Mgt; Inst. Mgt. Sci;
 Indust. Rels Res. Asn. Organization and administration of large work organizations, especially businesses, hospitals, universities and government,
 with emphasis on organization structure and environment, organizations. Publ:
 Hemisphere west: el futuro, Bur. Bus. Res, Univ. Texas, 68; Management
 of scientific research: bibliography, Res. Center, Univ. Missouri, 70; Organization planning and development, Am. Mgt. Asn, 70. Address: 110 Business & Public Administration Bldg, University of Missouri-Columbia, Columbia, Mo. 65201.

GLUSKINOS, DR. URY M, b. Amsterdam, Netherlands, Aug. 24, 35; m. 64. PSVCHOLOGY. B.Sc, Suffolk, 64; fel, Utah, 66-67, M.A. 67, Ph.D. (psychol), 68. Sr. technician, Faraday Electronics Co, 57-58; Baird-Atomic, Inc, 60-64; res. asst. PSVCHOL, Utah, 64-65, assoc. res. dir, 65-67; ASST. PROF, TEMPLE, 67- Psychol. consult. for Job Corps, Thiokol Chem. Corp, 67; chief training consult, VISTA- Midatlantic Training Center, 67-70. Sig. C. Israeli Defense Army, 53-57, S'Sgt. Psychol. Asn. Organizational analysis and management development, personnel selection. Publ: A selection and evaluation procedure for operating room personnel, J. Appl. Psychol, 70. The satisfaction of needs in T-groups, J. Appl. Behav. Sci, 70 & Managers and union leaders perception of employee needs, Personnel Psychology, Temple University, Philadelphia, Pa. 19122.

GNANADESIKAN, DR. MRUDULLA. Mathematical Statistics. See Suppl. V to 11th ed, Phys. & Biol. Vols.

GODDARD, DR. G(RAHAM) V(ALENTINE). Psychological Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Assoc. prof. 69-. Dept. of Psychology. Dalhousie University, Halifax, N.S., Can.

GODEREY, DR. WILLARD H. JR., b. Salt Lake City, Utah, Jan. 10, 38; m. 62; c. 2. ECOXOMICS. B.S. Brigham Young, 63; MS, Arizona, 65; Ph.D. Lecon), Montana State, 69. Asst. prof. econ. & bus, Cent. Wash. State Col., 69-70; Montana State, 69. Asst. prof. econ. & bus, Cent. Wash. State Col., 69-70; Montana State, 69. Asst. prof. econ. & bus, Cent. Wash. State Col., 69-70; Goods, 66-; co-chmin, proj. 51, West. Mkt. Res. Coun, 67-68; nat dir, Fedn. Fly Eishermen, 69- Agr. Econ. Asn. Marketing; sugar; dairy products; regional econ. However, and conservation. Publ. Co-auth, Economic study of the Montana between water and conservation. Publ. Co-auth, Economic study of the Montana, 69, Montana State Univ. Address: 1912 Parklane, Ellensburg, Wash. 98926.

GODN, DR. VICTOR BARRY, b. New York, N.Y. Sept. 22, 41. SYSTEMS & OPERATIONS ANALYSIS. A.B. Columbia Col, 62: B.S. Columbia, 63: S.M. Mass. Inst. Tech. 65: Ford Found. (el. Haryard, 67-68, D.B.A, 69. ASST. PROF. MGT, RENSSELAER POLYTECH. INST, 68- Prinl. consult, W.Va. Pulp & Paper Co, 63-66: consult, Diebold Group, Inc, 69. Sr. mem. Inst. Indust. Eng; Inst. Mgt. Sci; Asn. Comput. Mach. Design and installation of interactive man-computer systems for improving decision making. Publ: Co-auth, The interactive shop supervisor, Indust. Eng. 11/69. Address: Dept. of Management, Rensselaer Polytechnic Institute, Troy, N.Y. 12181.

GODOY, HORACIO HERMES, b. Mendoza, Argentina, Dec. 23, 25; m; c. 6. POLITICAL SCIENCE. A.B. & LL.B, La Plata, 49; LL.M, Yale, 60. Prof. polit. sci, Center Cath. Ed. La Plata, Argentina, 53-55; asst. prof. law, La Plata, 58-59; adv. Orgn. Am. States, Inter-Am. Develop. Bank, Econ. Cmn. for Latin Am. & Harvard Joint Tax Prog. for Latin Am, 61; legal adv, Int. Cmn. Jurists, Geneva, 61-53; chief eval. & coord. group, Inter-Am. Develop. Bank, 63-65; UNESCO EXPERT ORGN. & DIRECTION, LATIN AM. SCH. POLIT. SCI. & PUB. ADMIN, SANTIAGO, 65- Prof. La Plata Col., 58-59; lectr, Cath. Inter-Am. Oop. Prog. 67, 68; res. dir., World Order Model for Year 2,000, 68; promoter & exec. dir. Action Cmt. Latin Am. Integration. Tech. adv. Irist meeting. Latin Am. Parliament, 64, secy. gen. 65; adv. Episcopal Latin Am. Coun, 66. Soc. Int. Lav. Inter-Am. Bar Ass. Institution building: international relations; Latin American integration. Publ: The rule of law in Cola, 62: co-auth, Social progress trust fund report 1963-64, 63-64. Address: Casilla 3213, Santiago, Chile.

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GOEL, DR. NARENDRA SWARUP. Biophysics, Chemical Physics. See Suppl. V to 11th ed, Phys. & Biol. Vols.

GOELZ, DEAN PAUL C(ORNELIUS). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Vis. lectr, Army Mgt. Eng. Training Agency, U.S. Dept. Defense, 67- Address: School of Business, St. Mary's University, San Antonio, Tex. 78228.

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GOET ZINGER, PROF. CORNELIUS P. b. Baltimore, Md. Feb. 10, 11; m. 42; c. 2. AUDIOLOGY. B.S. Washington (St. Louis), 41; M.A. Gallaudet Col. 43; M.A. Callorina, Berkeley, 55; Ph.D. (audiol), Northwestern, 55. Teacher & physiotherapist clin, Cent. Inst. Deaf, St. Louis, Mo, 41-43; audiologist & psychologist, Calif. Sch. Deaf, Berkeley, 43-50, asst. prof. AUDIOL. MED. CENTER, KANSAS, 53-56, assoc. prof. 58-60, PROF. 60-, DIR. AUDIOL. CLIN, 56- Psychologist, Kans. Sch. Deaf, Olathe, 55-; Nat. Insts. Health res. grant hearing in aged, 59-60, bone conduction, 67-69. Consult, Menorah Hosp, Kansas City, Mo, 55-67; Vent. Admin. Hosp, Kansas City, 55-67; Menningers Hosp, Topeka, Kans, 66-69. Mem, Nat. Insts. Health Commun. Sci. Study Sect, 66-69. Fel. Speech & Hearing Asn; Alexander Graham Bell Asn. for Deaf. Psychology of the deaf. Publ: Co-auth Auditory discrimination and visual perception in good and poor readers, Ann. Otol, Rhinology & Laryngol, 69: 121-138, A study of hearing in advanced age, Arch. Otolaryngol, 73: 662-674 & Audiological assessment in acoustic tumors and cortical lesions, Ear, Nose & Throat Monthly, 6/65; plus others. Address: Audiol-

ogy Clinic, Dept. of Otolaryngology, University of Kansas Medical Center, 39th & Rainbow, Kansas City, Kans. 66103.

GOFF, DR. REGINA MARY, b. St. Louis, Mo, Aug. 6, 17; m. 60. PSYCHOLOGY. B.S. Northwestern, 36; M.A. Columbia, 40; Rockefeller fel, 45-47; Ph.D. (psychol), 48. Inst. early childhood ed, Lincoln (Mo), 40-47; asst. prof. elem. ed, Stowe Teachers Col, 47-48; prof. child develop, Fla. Agr. & Mech. Col, 48-49; state supyr. elem. ed, Fla. State Dept. Ed, 49-50; prof. ed. psychol, Morgan State Col, 50-60, chmn. dept. ed, 50-65; ASST. CMNR. U.S. OFF. ED, 55- Consult, clin. child psychait, Johns Hopkins Univ. Hosp. \$2-55; Ministry Ed. Iran, Int. Coop. Admin, 55-57. Psychol. Asn; Int. Soc. Psychol. Publi Co-auth, Negro education in America, Harper, 62. The difficult child, Philos. Library, 63 & Racial crisis in American education, Follett Ed. Corps, 69- Address: U.S. Office of Education, 400 Maryland Ave. S.W, Washington, D.C. 20202.

GOFFMAN, PROF. ERVING. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Sociology, University of Pennsylvania, Philadelphia, Pa. 19104.

GOGGIN, DR. JUDITH PAGE, b. El Paso, Tex, Dec. 10, 34. PSYCHOLOGY. B.A. Bryn Mawr Col, 56; Ph.D. (psychol), California, Berkeley, 64. Nat. Sci. Found. fel. PSYCHOL, Michigan, 64-65, asst. prof, 65-69; ASSOC. PROF, TEXAS, EL PASO, 69- AAAS; Psychol. Asn. Human learning and information processing. Publ. Retroactive and proactive inhibition in the short-term retention of paired associates, 66 & First-list recall as a function of second-list learning method, 67, J. Verbal Learning & Verbal Behay: Retroactive inhibition as a function of different patterns of interpolated lists, J. Exp. Psychol, 68. Address: Dept. of Psychology, University of Texas at El Paso, Box 180, El Paso, Tex. 79999.

GOLDBACH, DR. JOHN C, b. Toledo, Ohio, July 24, 30; m. 67; c. 1. POLITI-CAL SCIENCE. A B, Loyola (Calif), 52; M.A., Southern California, 55; Ph.D. (polit. sci), Claremont Grad. Sch, 64. ASST. PROF. POLIT. SCI, San Fernando Valley State Col, 64-67; WISCONSIN-MILWAUKEE, 67- Polit. Sci. Asr., Nat. Munic. League Politics of urban planning and land use. Publ: California's struggle over incorporations, Pub. Admin. Rev. 9/67; co-auth, The urban paradox, Urban Affairs Ann, 69; auth, Plato, Aristotle & Metropolis, West. Polit. Quart, 3/70. Address: Dept. of Political Science, University of Wisconsin-Milwaukee College of Letters & Science, Milwaukee, Wis. 53201.

GOLDBERG, DR. FAYE GIRSH. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. psychol. & acting chmm. dept, Morehouse Col, 69- Address: 317 Hertford Circle, Decatur, Ga. 30030.

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GOLDBERG, PROF. IRWIN. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. & chmn, Dept. of Sociology, Grinnell College, Grinnell, Iowa 50112.

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GOLDBERG, PROF. JANICE BETTY, b. Baltimore, Md, Apr. 10, 25. PSY-CHOLDGY, EDUCATION. A.B. Wisconsin, 47; A.M., Chicago, 61; Ed. D. (ed. psychol, Marward, 65. Asst. prof. ed. psychol, Morgan State Col, 64-65, assoc. prof. 65-66; PSYCHOL, MARYLAND, 66-69, PROF, 69- Consult, State Dept. Ment. Hyg, Md, 66-70. Psychol. Asn; Ed. Res. Asn. Social psychology; psychopharmacology; psychometrics applicable to retarded children. Publ: Influence of pupils attitudes on teachers' behaviors and on consequent school work, J. Ed. Psychol, 68; co-auth, Dilantin treatment of hospitalized cultural-familial retardates, J. Clin. Pharmacol, 70. Address: 5401 Wilkens Ave, Baltimore, Md. 21209.

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GOLDEN, DR. HILDA H(ERTZ). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 70-, Dept. of Sociology, University of Massachusetts, Ambrest, Mass. 01002.

GOLDEN, DR. MALCOLM, b. Toronto, Ont, Nov. 6, 32; U.S. citizen; m. 54; c. 3. ECONOMICS, OPERATIONS RESEARCH. B.S, Southern California, 60, cert, 66; M.A. & Ph.D.(econ), Claremont Grad. Sch, 65. Asst. prof. quant. bus, Southern California, 61-65; managerial econ, York, 66-68; chmn. dept. quant. mgt. & dir. mgt. res, Nevada, 68-70; PROF. BUS. STATIST. & CHMN. DEPT. ADMIN. DECISION SCI, MIAMI (FLA), 69- Dir. attitude study unemploy. compensation, Fed. Govt. Can, 87-70. Consult, Property Tax Study, Calif., 64-65; Regional Studies Div, Ont, 67-68; Keith, Ganong &

Roberts, 67-68; Nev. Water Conditioning Co, 68-; Miami High Rise Asn; 69-70. Econ. Asn; Regional Sci. Asn; Inst. Decision Sci. Publ: Basic statistical analysis, Col. Books, 65; co-auth, Linear Sales model, Cost & Mgt. J, 3, 4&5/67; auth, Estimates of trade-off between capital and labour-Canadian manufacturing, Proc. Asn. Can. Bus. Schs, 68. Address: 742 Harrison St, Hollywood, Fla. 33020.

GOLDEN, DR. MARK, b. Philadelphia, Pa, Sept. 22, 26; m. 52; c. 2. PSY-CHOLOGY. B.A, California, Los Angeles, 51, Ph.D.(psychol), 60. U.S. Pyel Health Serv. Iel. clin, psychol, 60-62; instr. PSYCHOL, ALBERT EINSTEIN COL. MED, 62-68, ASST. PROF, 68- U.S. Pub. Health Serv. interdisciplinary res. fel, 65-66. U.S. N.R, 44-45. Psychol. Ass, Soc. Res. Child Develop. Social class influences on cognitive development during the first three years of life. Address: 1352 Sussex Rd, Teaneck, N.J. 07666.

GOLDEN, DR. WILLIE IVERSON, b. Wilkinson Co, Ga, Nov. 17, 36; m. 57; c. 2. AGRICULTURAL ECONOMICS, EDUCATION. B.S., Georgia, 58, M.S., 59; Ph.D.(agr. econ), Texas A&M, 68. Asst. county agent, Twigs County, Ga, 59-60; economist, coop. exten. serv, Univ. Georgia, 61-70; ASSOC. PROF. AGR. ECON. & RURAL SOCIOL, CLEMSON, 70. Agr. Econ. Asn. Limited research in the area of firm growth. Publ: Can we afford to lose cotton, Progressive Farmer, 4/67; Resource ownership and use-rights in agriculture, In: The structure of southern farms of the future, Agr. Policy Inst. Ser. 30, 8/68; Impact of housing on community growth and development, Proc. Annual Community Resource Develop. Conf., Ga. Coop. Exten. Serv, 2/69. Address: Dept. of Agricultural Economics & Rural Sociology, Clemson University, Clemson, S.C. 29631.

GOLDFARB, DR. JOEL. American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

GOLDHABER, DR. DALE E, b. Detroit, Mich, Dec. 4, 43; m. 69. PSYCHOL-OGY. B.S, Roosevelt, 65; M.A. & Ph.D.(psychol), Syracuse, 69. Instr. CHILD PSYCHOL, Syracuse, 66-69; ASST. PROF, DAYTON, 69. AAAS; Psychol. Asn; Soc. Res. Child Develop. Cognitive development; intervention research; experimental design. Address: Dept. of Psychology, University of Dayton, Dayton, Ohio 45409.

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GOLDINGS, DR. HERBERT JEREMY. Psychiatry. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

GOLDMAN, DR. SHELDON. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. govt. 70-, University of Massachusetts, Thompson Hall, Amherstl, Mass. 01002.

GOLDMAN, DR. THOMAS A(DLER). Statistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Pres, Econ. & Tech. Anal. Corp, Wash, D.C, 69- Address; 7008 Millwood Rd, Bethesda, Md. 20034.

GOLDNER, DR. NORMAN S(OL), b. Des Moines, Iowa, Sept. 19, 33; m. 59; c. 2. SOCIOLOGY. B. A. Minnesota, 55, M. A., 59; Ph. D., Ohio State, 68. ASST. PROF. SOCIOL, WAYNE STATE, 65. Summers, consult, Legal Defense Fund, 68, U.S. Dept. Health, Ed. & Welfare, 69. Sociol. Asn; Acad. Pollt. & Soc. Sci. Applications of ecology and ethology to race relations. Publ. The Mexican in a northern urban area: a profile of an ethnic community, Minn. Acad. Sci. 61. Address: 17227 Mulriand, Detroit, Mich. 46221.

GOLDRICH, DR. STANLEY G, b. New York, N.Y, Sept. 22, 37. PHYSIOLOG-ICAL PSYCHOLOGY. B.A. Queens Col. (N.Y), 59, M.A. 65; Ph.D. (physiol psychol), City Unin. New York, 66. Asst. psychol, Queens Col. (N.Y), 63-64, lectr. 64-65; res. assoc. psychophysiol, Regional Primate Center, Wisconsin, 65-67; ASST. PROF. PSYCHOL, OHIO STATE, 67- Prin investr, Nat. Sci. Found. grant, 68-70. U.S.A.R, 62-67. AAAS; Psychol. Asn. Brain function in primates and its involvement in learning and sensory processes; behavioral and neuronal consequences of electrical brain stimulation. Publ: Co-auth, Electrical stimulation of temporal cortex in monkeys during learning, Proc. Int. Cong. Physiol. Sci., Tokyo, 65, Electrically induced afterdischarges in the inferotemporal cortex of monkeys: effects on visual discrimination and discrimination reversal performance, (in press) & Retrograde amnestic effects of inferotemporal and amygdaloid seizures upon conditioned suppression of bar pressing in monkeys, (in press), Neuropsychologia. Address: Psychology Laboratory, Ohio State University, 1314 Kinnear Road, Columbus, Ohio 43212.

GOLDSCHMID, DR. MARCEL L. Psychology. See A.K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, psychol. & dir, 69-, Center for Learning & Development, McGill University, Montreal, Que, Can.

GOLDSEN, JOSEPH M. Social Sciences. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position and address: Exec. dir. conclium int. studies & asst. to provost, Yale, 68 - Address: Yale University, New Haven, Conn. 06520.

GOLDSTEIN, PROF. ABRAHAM SAMUEL. Law. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos, Relig. & Law.

GOLDSTEIN, DR. BURTON J, b. Baltimore, Md, Sept. 23, 30; m; c. 3. PSY-CHATRY, B.S. Maryland, 53, M.D. 60. Intern. Jackson Mem. Hosp, 60-61, res. psychiat, 61-63, chief res, 63-64; instr. PSYCHAT, MED. SCH, MAMI, 64-67, asst. prof, 67-70, ASSOC. PROF, 70-, DIR. PSYCHIAT. RES, 64- Consult, psychiat. res, South Fla. State Hosp, West Hollywood, 67-; consult, indust. security prog, U.S. Dept. Defense, 67-; Vet. Admin, 69- Mem. gov. bd, Univ. Miami Diag, Clin, 68- Dipl, Am. Bd. Psychiat. & Neurol, 67. Med. C, U.S.A, 53-55, Res, 55-67, Capt. AAAS; Am. Med. Asn; Psychiat. Asn; Col. Neuropsychopharmacology in cediction of drug response; collaborative studies in psychopharmacology: prediction of drug response; collaborative studies in psychopharmacology. Publ: Co-auth, Psychopharmacology are review of progress, 1957-1967, U.S. Govt. Printing Off, 68 & Modern problems of

pharmacopsychiatry—the thioxanthenes, Karger, 69; ed, International psychopharmacology symposium—haloperidol, Int. J. Neuropsychiat, 67. Address: Dept. of Psychiatry, Box 875-Biscayne Annex, University of Miami Medical School, Miami, Fla. 33152.

GOLDSTEIN, DR. DONALD A(ARON), b. New York, N.Y. May 11, 34; m. 59, 68; c. 3. EXPERIMENTAL PSYCHOLOGY. B.B.A. CIV Univ. New York, 55; M.S. Pa. State, 57, Ph.D. (exp. psychol), 61. Res. psychologists, Electropsychol, 65. Res. psychologists, General Psyc

GOLDSTEIN, PROF. DORIS SILK. History. See 5th ed, Dir. of Am. Scholars, Vol. I, Hist.

GOLDSTEIN, DR. E. BRUCE. Psychology, Biophysics. See Suppl. V to 11th ed, Phys. & Biol. Vols.

GOLDSTEIN, DR. HYMAN. Psychology. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New information: Adj. prof. biostatist, dept. obstet. & gynec, sch. wed. California, San Francisco, 70-; res. biostatistician, div. maternal & child health, sch. pub. health, California, Berkeley, 70- Address: 1930 Vine St, Berkeley, Calif. 94709.

GOLDSTEIN, DR. JON HELLER, b. Cambridge, Mass, Apr. 22, 37. ECONOM-ICS. B.A, Oberlin Col, 59; Resources for the Future fel, Minnesota, 64, Nat. Sci. Found. fel, 65, Ph. D, fecon), 67. Instr. econ, Pomona Col, 65-67, asst. prof., Pomona Col, & Claremont Grad. Sch, 67-69; RES. ECONOMIST, OFF. RES. & STATIST, SOC. SECURITY ADMIN, 69. Resources for the Future vis. summer fel, 67. Econ. Asn. Resource and welfare economics; public finance; poverty and income maintenance. Publ: Competition for wetlands, Resources for the Future, Johns Hopkins, (in press). Address: Office of Research & Statistics, Social Security Administration, Dept. of Health, Education & Welfare, North Health, Education & Welfare Bldg, Washington, D.C. 20201.

GOLDSTEIN, DR. JULIUS L. Electrical Engineering. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

GOLDSTEIN, DR. LEO S. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Res. psychologist, 69-, Educational Testing Service, Princeton, N.J. 08540.

GOLDSTEIN, DR. MARK E. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Mem. faculty, New Sch. Soc. Res, 70- Address: 170-40 Henley Rd, Jamaica, N.Y. 11432.

GOLDSTEIN, DR. RHODA L, b. Brooklyn, N.Y, Feb. 3, 26; m. 47; c. 3. SO-CIOLOCY. B.A, Brooklyn Col. 46; M.A, New Sch. Soc. Res. 48; Ph.D. (sociol), Chicago, 54. Fulbright-Hayes res. scholar, India, 65-67; ASST. PROF SOCIOL, DOUGLASS COL, RUTGERS, 68. Book rev. ed, Jour. Asian & African Studies, 69. Sociol. Asn, Asn. Asian Studies; Soc. Study Social Probs. Minorities and intergroup relations; black studies; role of women in India; complex organizations. Publ: Co-auth, Doctors and nurses in industry; social aspects of in-plant medical programs, Inst. Mgt. & Labor Rels, Rutgers Univ, 67; auth, Interracial professional practices and attutues of Negro denities in a southern city, In: Growth and development of the Negro in denitstry in the United States, Dummett, 52; The participant as observer, Phylon, fail 64. Address: Dept. of Sociology, Douglass College of Rutgers, The State University, New Brunswick, N.J. 08903.

GOLDSTEIN, PROF. WALTER, b. London, U.K. Aug. 16, 30: U.S. citizen; m. 58; c. 3. POLITICAL SCIENCE. B.Sc., London, 55; Fulbright scholar, Schaeffer fel, & M.A., Northestern, 56; Ph.D. (polit. sci), Chicago, 61; From instr. to assoc. pride Edit Sci. Brooklyn Col., 53-68; PROF. GRAD. SCH. PUB. AFFAIRS, STATE UNIV. N.Y. ALBANY, 68- Mershon fel, Ohio State, 65-66; vis. prof, N.Y. Univ., 66; Columbia, 66- Staff polit. scientist, Bendix Aerospace Systs. Div. 67-68. Consult, Inst. Defense Anal., Mitre Corp, Res. Anal. Corp, Ford Found, Inst. Polit. & Planning & UN Asn. U.S. 65- Brit. Army, 51-53. Polit. Sci. Asn; int. Studies Asn. International relations theory; conflict resolution; strategic studies; policy deliberation; arms control; comparative political analysis, particularly of Europe; alliance theory. Publi: Dilemmas of British defense, Ohio State Univ. 66; Limitation of disputes, J. Conflict Resolution, 65; Europe faces the technology gap, Yale Rev, 69. Address: Dept. of Political Science, Graduate School of Public Affairs, State University of New York, at Albany, Albany, N.Y. 12203.

GOLDSTONE, DR. GERALD, b. Brooklyn, N.Y. Apr. 13, 34; m. 66; c. 1. CLIMCAL PSYCHOLOGY. B.S. Davis & Elkins Col, 57; M.A. MacMurray Col, 58; Louvain, 58-59; Ph.D.(clin, psychol), Purdue, 67. Res. psychologist, Aberdeen Proving Grounds, Md, 60-62; clin. psychologist, Logansport State Hosp, ind, 64-66; cent. State Hosp, 66-67; ASST. PROF. PSYCHOL, BALL STATE, 68- Assoc. faculty, Indiana, Kokomo, 65- Consult, Soc. Security, 65-; Pediatric Clin, Muncle, Ind, 64-7, Ment. Health Clin, Grant County, Ind, 70- Psychol. Asn. Clinical, counseling and experimental psychology. Address: Dept. of Psychology, Ball State University, Muncle, Ind. 47306.

GOLDWATER, DR. BRAM C(HARLES), b. Montreal, Que, Dec. 2, 42; m. 65. PSYCHOLOGY. B.A, McGill, 64; M.A, Cornell, 67; Ph.D. (psychol), Bowling Green State, 69. Vis. asst, prof. PSYCHOL, VICTORIA, 68-70, ASST. PROF, 70- Med. Res. Coun. Can. res. grant, 70-72. Soc. Psychophysiology—physiological correlates of emotion and personality; classical conditioning; pupillary movements. Address: Dept. of Psychology, University of Victoria, Victoria, B.C. Can.

GOLDWIN, DEAN ROBERT A(LLEN). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dean, 69-, St. John's College, Annapolis, Md. 21404.

GOLEMBE, DR. CARTER H. Economics. See A.-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Carter H. Golembe Associates, Inc., Suite 415, 1225 Connecticut Ave, N.W., Washington, D.C. 20036.

GOLLENDER, DR. MORTON, b. New York, N.Y., Oct. 23, 22; m. 68; c. 1. PHYSIOLOGICAL PSYCHOLOGY. B.S, Stanford, 49; M.S, Columbia, 53; California, Berkeley, 56-57; A.M. Michigan, 60; Nat. Insta. Health fel, Indiana, 64-65, Ph.D. leny, psychol), 65. Res. asst. spinal cord fixation to R.W. Gerard, H. Health Res. Lind, Ann Arbor, Mich, summer 60; res. sand. Health Res. Lind, Ann Arbor, Mich, summer 60; res. sand. Standard, 66; ASSOC, PROF. PSY-CHOL. COL. OPTOM. PACIFIC UNIV, 66-Nat. Insta. Health frant, 69-U.S.A, 42-46, Sqt. AAAS; Psychol. Asn. Learning and sensory deprivation; drug effects on memory and learning. Publ: Eosinophil and avoidance correlates of stress in anterior cingulate cortex lesioned rats, J. Comp. Physiol. Psychol. 44: 40-48; co. 2uth, Dichoptic interactions of lateral geniculate neurons of cats to contralateral and ipsilateral eye stimulation, 30: 628-644 & Modification of response patterns of lateral geniculate neurons of cats to contralateral and ipsilateral eyes, 31: 729-739, J. Neurophysiol; plus others. Address: College of Optometry, Pacific University, Forest Grove, Ore. 97116.

GOLLIN, DR. ALBERT E(DWIN), b. Chicago, Ill, Dec. 8, 30; m. 59; c. 2. SOCIOLOGY. B.A. Queens Col. (N.Y.), 52; Fulbright fel, Netherlands, 57-58; Ph.D. (sociol), Columbia, 67. RES. ASSOC, bur. appl. soc. res, Columbia, 58-63; BUR. SOC. SCI. RES, INC, 63- Nat. Inst. Ment. Health res. grantee, Civil Rights Protest Movements, 67-69; lectr. & res. assoc. sociol, Howard Univ, 69-; Nat. Sci. Found, res. grant pub. opinion theory, 70-Consult, Peace Corps, 66-; Teacher Corps, 68; Martin Luther King Audio Hist. Proj, 681. Wh.Carthy Hist. Proj, 69. U.S.A, 52-54. Sociol. Asn; Asn. Pub. Opinion Res; Soc. Int. Develop; Soc. Study Social Probs. International education; social change and movements; public opinion, Publ: Education for national development, Praeger, 69; Foreign study and modernization, Int. Soc. Sci. J. 67; co-auth, Tönnies on public opinion, In: Sociology of Ferdinand Tönnies, Univ. Chicago, 70. Address: 2954 Northampton St. N.W, Washington, D. C. 20015.

GOLLOB, DR. HARRY F(RANK). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Vis. assoc. prof, 69-, Dept. of Psychology, University of Denver, Denver, Colo. 60210.

GOMEZ, DR. RUDOLPH, b. Rawlins, Wyo, July 17, 30; m. 56; c. 2. POLIT-ICAL SCIENCE. B.S, Utah State, 59; Woodrow Wilson fel, Stanford, 59-60, M.A, 60; Ph.D. [polit. scl), Colorado, 63. Instr. POLIT. SCI, Colorado Col, 62-64, asst prof, 64-68; ASSOC. PROF, DENVER, 68- Fulbright lectr, Cath. Univ. Peru, 67. U.S.A.F, 50-54, 5/8gt. Polit. Sci. Asn. American state legislative behavior; impact of urbanization upon state fiscal policies. Publ: Co-auth, Colorado government and politics, Pruett, rev. ed, 67 & Politics in the American West, Univ. Utah, 69; auth, The Peruvian administrative system, Univ. Colo, 69. Address: Dept. of Political Science, University of Denver, Denver, Colo. 80210.

GOOCH, DR. JEAN A, b. Brooklyn, N.Y, Mar. 22, 15; m. 37, 68; c. 1. ECONOMICS. B.A, California, Berkeley, 44; M.A, Columbia, 63, Ph.D. (econ), 64. Instr. ECON. Brooklyn Col., 64; asst. prof. BARNARD COL., CO-LUMBIA, 64-69, ASSOC. PROF, 69- Ford Found. grant, 70-71. Econ. Asn. Economic history. Publ. Biddle's bank: the crucial years, Columbia Univ. 67; co-auth, Occasional paper 102, Nat. Bur. Econ. Res, 67. Address: 21 Claremont Ave, New York, N.Y. 10027.

GOOD, DR. IRVING JOHN. Mathematics, Statistics. See Suppl. V to 11th ed, Phys. & Biol. Vols.

GOODACRE, RAYMOND HARRY. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Consult. sociol, B.C. Ment. Health Br, Can. Dept. Health Serv. & Hosp. Ins, 68- Address: 1895 San Juan Ave, Victoria, B.C., Can.

GOODALE, DR. JANE C(ARTER). Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Anthropology, Bryn Mawr College, Bryn Mawr, Pa. 19010.

GOODALL, DR. LEONARD EDWIN. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also v.chancellor, Illinois, Chicago, 69- Address: 6823 Kincaid Court, Downers Grove, Ill. 60515.

GOODE, DR. ERICH, b. Austin, Tex, Sept. 21, 38; m. 68. SOCIOLOGY. A.B., Oberlin Col, 60; Nat. Inst. Ment. Health & univ. fels. & Ph.D. (sociol), Columbia, 68. Instr. SOCIOL, Wash. Sq. Col, NY, Univ, 65-66, asst. prof, 66-67; STATE UNIV. N.Y. STONY BROOK, 67-70, ASSOC. PROF, 70- Nat. Inst. Ment. Health grant, 68-69; Res. Found. of State of N.Y. fels, summers, 68-69. Sociol. Asn. Soc. Study Social Probs. Sociology of religion; crime, deviance and delinquency; drugs and drug use. Publ: The marjunana smokers, Basic Bks, 70; Multiple drug use among marjunans smokers, Soc. Probs, summer 69; Marjunan and the politics of reality, J. Health & Soc. Pelnav, 67-69; plus others. Address: Dept. of Sociology, State University of New York at Stony Brook, 70ny Brook, N.Y. 11790.

GOODE, DR. JUDITH GRANICH, b. New York, N.Y, May 8, 39; m. 60; c. 3.
ANTHROPOLOGY. B.A, Columbia, 60; N.Y. State Regents fel, Cornell, 60-62, Ford Found, fel, 62-63, Nat. Insts. Health fel, 64-66, Ph.D. (anthrop), 68.
Prof. ANTHROP, Antioquia, Colombia, 65; instr, Corning Community Col, 65-66; TEMPLE, 66-68, ASST. PROF. 68- Anthrop. Asn; Soc. Appl.
Anthrop; Latin Am. Studies Asn. Social anthropology; comparative law;
Latin American peasant societies; Latin American urbanization; culture of poverty; comparative peasant societies; comparative urbanization. Publ:

Responses of a traditional elite to modernization; lawyers in Colombia, Human Orgn, spring 70. Address: Dept. of Anthropology, Temple University, Philadelphia, Pa. 19122.

GOODE, PROF. WILLIAM J(OSIAH). Sociology. See A-K Vol, 11th ed. Soc. & Behav. Vols. New information: Sr. scientist, Nat. Inst. Ment. Health Career Award, 70- Address: Dept. of Sociology, Columbia University, New York, N.Y. 10027.

GOODENOUGH, DR. DAVID S(TANLEY). Clinical Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Chief psychol. serv, Vet. Admin Hosp, Brockton, 68- Address: 59 North St, Mattapoisett, Mass. 02739.

GODING, PROF. CHARLES) THOMAS, b. Tampa, Fla, Nov. 18, 31; m. 53; c. 4. EDUCATIONAL PSYCHOLOCY. B. A. Ed.; Florida, \$4, M. Ed. 62, fel. 63, Ed.D. (ed. psychol), 64; Tampa, 56-67. Teacher jr. high sch, Fla, 56-58, asst. prin, St. Mary's Sch, Tampa, 58-60, prin, 60-62; instr. ed. psychol. & human develop, Florida, 63-64; from assoc. prof. to PROF. PSYCHOL, STATE UNIV. N.Y. COL. OSWEGO, 64. Summers, res. found. fels, State Univ. N.Y. 66, 69. U.S.A, 54-56, 1st Lt. Psychol. Asn; Ed. Res. Asn. Teacher education; human learning; phenomenology of perception. Publ: Co-auth, Studies in the helping professions, Univ. Fla, 68; auth, A phenomenological approach to hypnosis, Am. J. Clin. Hypnosis, 1/69; co-auth, Adapting Q technique to computer scoring procedures, Ed. & Psychol. Measurement, Spring 70. Address: Dept. of Psychology, State University of New York College at Oswego, Oswego, N.Y. 13126.

GODDISON, DR. JULES MARTIN. Counseling, Guidance. See A-K Vol., 11th ed. Soc. & Behav. Vols. New position: Regional mgr. Sci. Res. Assocs. 68-Address: 20 Pilgrim Run, East Brunswick, N. J. 06816.

GOODLAD, DR. CARL ALEXANDER, b. Shetland, Scotland, Sept. 19, 43.
GEOGRAPHY, M.A, Aberdeen, 65, Ph.D. (fisheries, geog), 66. INST. SOC.
& ECON. RES. FEL. & ASST. PROF. GEOG, MEMORIAL UNIV, 68- Marine
Tech. Soc; Fisheries Soc; Asn. Am. Geog. Fisheries; technological change
and system transposal in fisheries. Publ: Shetland fishing saga, Shetland
Times, (in press); Fishing faeroe, Fishing News Int. 4/68. Address: Dept.
of Geography, Memorial University of Newfoundland, St. John's, Newf, Can.

GOODMAN, DR. DONALD, b. Bridgeport, Conn. Jan. 16, 33; m. 57; c. 2. SOCIOLOGY, PHILOSOPHY. A. B., Yale, 57; Free Univ. Berlin, 57-58; M.A. Fordham, 60, Ph.D. (philos), 67. Lectr. philos, State Univ. N.Y. Stony Brook, 60-68; ASST. PROF. SOCIOL, JOHN JAY COL, CITY UNIV. NEW YORK, 68- Philos. Asn; Soc. Sci. Study Relig. Russian thought; sociology of religion; history of ideas. Address: 20 Seville Lane, Stony Brook, N.Y. 11790.

GOODMAN, PROF. ERNEST JOSEPH, b. Breslau, Germany, Feb. 26, 25: U.S. citizen; m. 46; c. 2. POLITICAL SCIENCE. B.A, Hastings Col. 60: Not. Defense left, Nebraska, 61-65, M.A, 61, Ph.D. (polit. sci), 65. PROF. POLIT. SCI, STATE UNIV. N.Y. COL. ONEONTA, 63- Vis. prof, Wurzburg, 67-Brit. Army, 41-46. Polit. Sci. Asn. The roots of anti-semitism in rural Germany; the role of political parties in the political system. Address: 94 Elm St, Oneonta, N.Y. 13820.

GOODMAN, PROF. GEORGE HERMAN. Sociology. See A-K Vol., 11th ed., Soc. & Behav. Vols. Change of address: 11129 Hughlau Dr., Concord, Tenn. 37720.

GOODMAN, DR. IRVING J. Psychology, Neurobiology. See Suppl. VI to 11th ed. Phys. & Biol. Vols.

GOODMAN, DR. JAY S(ELWYN). Political Science. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Assoc. prof. govt. Wheaton Col. (Mass) Address; 33 Phillips 5t, Providence, R.1. 02906.

GOODMAN, DR. JOHN THOMAS. Psychology. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position & address: Asst. prof. Dept. of Psychiatry. Mc-Master University, Hamilton, Ont, Can.

GOODMAN, DR. MARVIN, b. Toronto, Ont, July 2, 33; m. 59; c. 3. PSYCHOLOCY. B.A, Toronto, 56, B.S.W, 57, Edward Johns Urwick & Benjamin Sadowski scholars, 57-56; M.S.W, 58; Grant Found. fel, Merrill-Palmer Inst, 59-60; Ph.D. (psychol), Mich. State, 62. Group therapist, Toronto Psychiat. Hosp. 58-59; fel, Merrill-Palmer Inst, 62-63; chief psychol. dir. intensive day treatment serv, Saginaw Valley Child Guid. Clin, 63-65; chief psychologist, North York Gen. Hosp. Ment. Health Clin, 65-66; CHIEF PSYCHOLOGIST, NORTH YORK BD. ED, 66. Lectr, Mich. State, 61-62; spec. lectr. York, 67-68; consult, Ed. TV, 68-69. Am. Psychol. Asn; Asn. Marriage Counsr; Can. Psychol. Asn. Self Concept and self acceptance; learning disabilities; family psychopathology; group dynamics. Publ: Co-auth, Group work in a day care hospital, Soc. Worker, spring 60; auth. Expressed self acceptance and interspousal needs: a basis for mate selection, J. Counseling Psychol, 64; Psychology and the general hospital, Can. Psychologist, 1/67. Address: 159 Almore Ave, Downsview, Ont, Can.

GOODMAN, DR. MARY ELLEN. Cultural Anthropology. See 11th ed, Soc. & Behav. Vols, deceased 69.

GOODMAN, PROF. NELSON. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

GOODMAN, PROF. OSCAR R. Business Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Chmn, Dept. of Finance, Roosevelt University, 430 S. Michigan Ave, Chicago, Ill. 66605.

GOODMAN, DR. ROBERT F, b. Los Angeles, Calif, Feb. 13, 38; m. 63; c. 6. POLITICAL SCIENCE. B.A, Southern California, 61; Falk fel, California, Los Angeles, 64-65, M.A, 65, Econ. Develop. Admin. grant, 66-68, Ph.D. (polit. sci), 68. Sec. teacher, high sch, Calif, 62-63; asst. POLIT. SCI, California, Los Angeles, 63-68; ASST. PROF, SOUTHERN CALIFORNIA, 68- Syst. Develop. Corp. fel, 68-69. Mem, Nat. Gaming Coun. Nat. Guard,

- 58-64. Polit. Sci. Asn. Simulation-gaming research; community politics; social conflict. Publ; Co-auth, The SDC school system crisis simulation, Syst. Develop. Corp, 69. Address: Dept. of Political Science, University of Southern California, University Park, Los Angeles, Calif. 90007.
- GOODMAN, DR. SEYMOUR S. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Graduate School of Business Administration, Tulane University, New Orleans, La. 70118.
- GOODMAN, PROF. WILLIAM. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. govt, 69-, Division of Social Science, Southern Illinois University, Edwardsville, Ill. 62025.
- GOODMAN-MALAMUTH, DR. LEO. Psychology, Speech Pathology. See A-K Vol., 1th ed., Soc. & Behav. Vols. New information: Also v.pres. acad. atfairs, 69-, California State College at Long Beach, Long Beach, Calif. 69601.
- GOODPASTER, GEN. ANDREW J(ACKSON), U.S.A. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Supreme allied comdr. Europe, Supreme Hq. Allied Powers Europe & comdr-in-chief, U.S. European Command, 69- Address: SACEUR-SHAPE, APO New York 09055.
- GOODRICH, DEAN KENNETH P(AUL). Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dean. ed. res, 69-, Macalester College, St. Paul, Minn. 55101.
- GOODSTEIN, DR. MADELINE P. Science Education, Chemistry. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- GOODWIN, DR. W(ILLIAM) RICHARD. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: V.pres. corp., planning, Johns-Manville Corp, Manville, 69-Address: 10 Soder Rd, North Caldwell, N.J. 07006.
- GOODY, PROF. GEORGE H(ENRY). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Lectr, 69-, University of Maryland, Far East Division, CMR Box 1983, APO San Francisco 96525.
- GOOLSBY, DR. THOMAS M(ORRIS), JR. Educational Psychology, Psychometrics. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. dir, 69-, Research & Development Center in Educational Stimulation, University of Georgia, Athens, Ga. 30601.
- GOOTZEIT, DR. JACK MICHAEL. Behavioral Sciences, Rehabilitation Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Adj. asst. prof. Hunter Col., 69- Address: 1039 Elder Ave, Brox, N.Y. 10472.
- GOMBERG, DR. EDITH S(ILVERGLIED). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. lectr, 69-1, Dept. of Psychology, University of Puerto Rico, Rio Piedras, P.R. 0931.
- GONZALEZ, DR. NANCIE L(OUDEN) SOLIEN. Cultural Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. anthrop. & asst. chmn. dept, 10wa, 69. New publ: Black Carib household structure, Univ. Washington, 69; A heritage of pride: the Spanish-Americans of New Mexico, Univ. New Mexico, 69. Address: Dept. of Anthropology, University of Iowa, 130 MacBride Hall, 10wa City, 10wa 52240.
- GORDON, DR. CHAD. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. sociol, 69-, Dept. of Anthropology & Sociology, Rice University, Houston, Tex. 77001.
- GORDON, DR. DAVID W, b. Nyack, N.Y, Oct. 19, 36; m. 64; c. 1. SOCIOL-OGY. A.B, N.Y. Univ, 58, M.A, Colorado, 61, Nat. Inst. Ment. Health fels, 62-63 & 63-64, Ph.D. (sociol), 65. Instr. sociol. Adelphi, 64-65; res. assoc. psychiat, State Univ. N.Y. Downstate Med. Center, 66-67, dir. sociol. res, 67-68; RES. FEL. SOCIOL, NEW YORK HOSP-CORNELL MED. CENTER, 68-Vis. lectr, Wash. Sq. Col, N.Y. Univ, 66-68. U.S. Pub. Health Serv. res. fel, 68-Consult, United Hosp. Fund, 69-70. AASS, fel. Sociol. Asn; Soc. Study Social Probs. Sociology of medicine; ethnomethodology of the physician-patient relationship. Address; New York Hospital-Cornell Medical Center, 525 E. 68th St, New York, N.Y. 10021.
- GORDON, DR. HAROLD F, b. Kansas City, Mo, Oct. 31, 15; m. 38; c. 4. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.S.C, Creighton, 42; M.S.G, Denver, 44; Ph. Digolit. sci), Colorado, 68. Asst. dir. soc. sci. res. Community Studies, Inc, Kansas City, 55-61; acting asst. dir, Bur. Govt. Res. & Serv, Univ. Colorado, 63-66; ASST. PROF. POLIT. SCI, Colorado State, 66-68; OKLA STATE, 68- Polit. Sci. Asn. Soc. Pub. Admin. Urban administration and policy. Address: Dept. of Political Science, Oklahoma State University, Stillwater, Okla. 74074.
- GORDON, DR. HIRAM L(ANDOR). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. chief res. dept, 69-, Ft. Logan Mental Health Center, 3520 W. Oxford Ave, Denver, Colo. 80236.
- GORDON, PROF. JESSE E(MANUEL). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1808 Hermitage, Ann Arbor, Mich. 48104.
- GORDON, DR. JOAN. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn, 69-, Dept. of Sociology, Quinnipiac College, Hamden, Conn. 06518.
- GORDON, DR. M(ORDECAI) H(ENRY). Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prog. dir. epidemiol. & behav. aspects of cancer, extramural activities, Nat. Cancer Inst, Bethesda, 68-Address: 3006 Dennis Ave, Kensington, Md. 20795.
- GORDON, DR. MORTON. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Pres, 70-, Development Sciences Inc, Box 77, East Sandwich, Mass. 02537.

- GORDON, DR. ROBERT A(RTHUR). Sociology, Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. 69-, Dept. of Social Relations, Johns Hopkins University, Baltimore, Md. 21218.
- GORDON, DR. ROBERT I, b. Chicago, Il, May 22, 44; m. 66. PSYCHOLOGY. B.S. Wisconsin, 65; M.S. Oklahoma, 66, Ph.D. (personality soc. psychol), 68; Baylor, 68-70. Asst. psychol, Oklahoma, 65-68; ASSOC. PROF. PSYCHOL. & DIR. INTERDISCIPLINARY PROG, PAUL QUINN COL, 68- Consult, Vet. Hosp, Tex, 70; Consult, Games People Play Inc, Tex, 68. Ed, J. Forensic Psychol. Psychol. Asn; Judicature Soc. Law & Soc. Asn; Interam. Soc. Psychol; Int. Acad. Forensic Psychol.(pres). Application of psychological methodology and experimental design to the study of legal processes; problems of minority groups in society. Publ: Tort liability of the research psychological, Am. Psychologist, 70; Petti jury verdicts as a function of jury size, Dissertation Abstracts, Vol. 29, No. 3; co-auth, Forensic psychology: the judge and the jury, Judicature, 69. Address: Dept. of Psychology, Paul Quinn College, Waco, Tex. 76703.
- GORDON, DR. ROBERT J, b. Boston, Mass, Sept. 3, 40; m. 63. ECONOMICS. B.A, Harvard, 62; B.A, Oxford, 64, M.A, 68; Ph.D. (econ), Mass. Inst. Tech, 67. ASST. PROF. ECON, Harvard, 67-68; CHICAGO, 68- Res. staff assoc, Nat. Bur. Econ. Res, 68-; mem. econ. policy panel, Brookings Inst, 70-Consult, U.S. Treasury Dept, 67-; U.S. Dept. Commerce, 69-Econ. Asn; Economet. Soc; Royal Econ. Soc. Sources of United States capital stock; incidence of United States corporation income tax; measurement of equipment prices; causes of inflation; critic of econometric models. Publ: Incidence of the corporation income tax in U.S. maufacturing, 9/67 & \$45 Billion of U.S. private investment has been mislaid, 6/69, Am. Econ. Rev. An every even of real investment in structures, Rev. Econ. & Statist, 11368. Address: Dept. of Economics, University of Chicago, Chicago, Ill. 60637.
- GORDON, DR. THOMAS. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Pres, Effectiveness Training Assocs, 70- Address: 110 S. Euclid Ave, Pasadena, Calif. 91101.
- GORDON, DR. WILLIAM F. b. Trinidad, B.W.I, Mar. 10, 11; wid. ECONOMICS. D.P.A, London, 31; B.Com, McGill, 51; M.P.A. & M.A, Princeton, 53. Ph.D. Iceon), 55. Ed, Jamaica Times Ltd, 31-35; mem. ed. staff, Jamaica Standard Ltd, 35-39; sr. officer, Kingston & St. Andrew Corp, Jamaica, 39-48; instr. ECON, Marquette, 55-58; assoc. prof, Simpson Col., 58-59; Park Col, 59-61; prof, Atlanta, 61-67; ASSOC. PROF, XAVIER (OHIO), 67-Summers, participant, Econ. in Action, Univ. Wisconsin, 58, Ford Found, fel, Univ. Michigan, 59, Gen. Elec. fel, Univ. Chicago, 60, Tenn. Valley Auth. res. grant, 67 & Fredin Mem. scholar, Europe, 69. Econ. Ass. International and monetary economics; public finance and fiscal policy; economic development; history of economic thought. Publ: Co-auth, American trade with Asia, Marquette Univ, 59; auth, British economic policy in colonial trade, Soc. & Econ. Studies, 58 & Economic and social effects of automation, Cybernetica, 64. Address: 6511 Coleridge Ave, Cincinnati, Ohio 45213.
- GORE, DEAN BLINZY L, b. Hinton, W.Va, June 13, 21; m. 51; c. 2. SOCIAL STUDIES, LAW. B.S, W.Va. State Col, 46; LL.B, State Univ. lowa, 50; M.A. N.Y. Univ, 56, grant, summer 60, Ph.D. (soc. studies), 67. Assoc. prof. law, S.C. State Col, 50-57, prof, 57-67; DEAN, CLAFLIN COL, 67- A.U.S, 42- 46. Asn. Study Negro Life & Hist. Nonresident motorist acts; social protest movements among American Negroes. Publ: The right to work controversy: a murky pool, Palmetto Ed. Asn. J, 10/66. Address: Claflin College. Orangeburg, S.C. 29115.
- GOREN, DR. ARTHUR A(RYEH). American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- GORFEN, DR. DAVID SCHLANGER, b. New York, N.Y., June 14, 35; m. 63; c. 1. EXPERIMENTAL PSYCHOLOGY, B.A., City Col. New York, 56; M.A. Columbia, 57, P.D. (1980), 62, Sessional lectr. PSYCHOL. Alberta, 57-58; instr., Montana, 59-50; asst., prof., Utah State, 61-62; Eastern Michigan, 62-65; NEW COL., 65-67, ASSOC. PROF. 67-Nat. Sci. Found. sci. faculty fel, 69. AAAS; Psychol. Asn, Psychonomic Soc. Memory processes, particularly free-recall and short-term memory, and individual differences in these processes. Publ. Co-auth, Encoding interval in short-term memory, 67 & individual differences in the serial position curve of single trial free-recall, 19, J. Verbal Learning & Verbal Behay; Factors affecting multiple trial free-recall, 12. Ed. Psychol, 70. Address: Dept. of Psychology, New College, Sarasota, Fla. 33578.
- GORHAM, DR. DONALD R(DX). Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Chief psychol. serv, 69-, Veterans Administration Center, Bath, N.Y. 14910.
- GORHAM, THELMA T. Journalism & Mass Communication, Sociology. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- GORMELY, DR. PATRICK JOSEPH, b. Niagara Falls, N.Y. Oct. 26, 41; m. 64; c. 1. ECONOMICS. A.B, Catholic Univ, 63; Ph.D. (econ), Duke, 67. ASST. PROF. ECON, KANSAS STATE, 67. Econ. Asn. Development economics, particularly studies of less developed countries; economic development theory; economic planning theory and policy; foreign aid; population. Address: Dept. of Economics, Kansas State University, Manhattan, Kans. 66502.
- GORMLY, DR. JOHN BERNARD, b. Providence, R.I, Nov. 21, 40; m. 66; c. 1. PSYCHOLOGY. BA, R.I. Col, 66; M.A. Illinois, 68, Ph.D.(ssychol), 69, ASST. PROF, PSYCHOL, RUTCERS, 69- U.S.A, 58-62. Development of a personality system based on physiological response patterns; development of cognitive techniques for the reduction of subjective and physiological arousal. Address: Dept. of Psychology, Rutgers, The State University, New Brunswick, N.J. 08003.
- GOROVE, PROF. STEPHEN. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

- GORWITZ, DR. KURT. Biostatistics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- GOSFIELD, DR. AMOR. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 3136 Calle Mariposa, Santa Barbara, Calif. 93105.
- GOSHEN, DR. CHARLES E(RNEST). Medicine. See D-G Vol. & Suppl. 6 to 11th ed, Phys. & Biol. Vols.
- GGLIN, DR. LEWIS NIEL, b. Tarentum, Pa, Nov. 15, 32; m. 61; c. 2. OR-GANIZATION THEORY, OPERATIONS RESEARCH. B.A, Pa. State, 55; M.S, Carnegie-Mellon, 61; D.B.A. (admin), Washington (Seattle), 64. Asst. prof. mgf. & admin. sci., Indiana, 64-68; ASSOC. PROF. SYSTS. SCI. & ADMIN, PORTLAND STATE, 68. Vis. res. fel, Lancaster, 67-68. Consult, res. group on mgl. res. & develop, Manchester Sch. Bus, Manchester, 67-68. U.S.A.R, 57. Inst. Mgf. Sci; Acad. Mgf. Decision making under uncertainty as related to organizational planning; forecasting and anticipating change; how organizations handle particular problems such as research management or bidding situations. Publ: R & D management: a selected annotated bibliography, Ind. Univ, 64; The product planning system, Irvin, 67; co-auth, Administrative strategy: technology and organization, Addison, (in press). Address: P.O. Box 751, Portland State University, Portland, Ore. 97207.
- GOSS, DR. ALLEN MILES, b. Harrison Twp, Pa, July 12, 37; m. 66. PSYCHOL-GOGY. B.A. San Diego State Col. 60; M.A. Texas, Austin, 65, Ph.D. (psychol), 66. Fel, Vet. Admin. Hosp, Houston, Tex., 65-67; clin. psychologist, Tex. Res. Inst. 67-68; ASST. PROF. CLIN. PSYCHOL, BAYLOR COL. MED, 68-; ASSCC. PROF. PSYCHOL. & CHMN. DEPT, ST. THOMAS (TEX), 68-A. Asst. prof., Houston, 68-U.S.A., 60-63, 1st Lt. Psychol. Asn; Soc. Adderian Psychol; Soc. Clin. & Exp. Hypnosis. Problems in clinical prediction; research in behavior modification; alcoholism treatment program, Publ: Importance of diagnostic categories in evaluating psychological data, J. Counseling Psychol, 15: 476-478, Predicting vocational success for neuropsychiatric patients with the Edwards personal preference schedule, J. Appl. Psychol, 52: 250-252 & Relation between a dimension of internal-external control and the MMPI with an alcoholic population, J. Counseling Psychology, Baylor College of Medicine, 1200 Moursund, Houston, Tex. 77025.
- GOSS, DR. MARY E. W(EBER). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 25 Hillcrest Dr, Piscataway, N.J. 08854.
- GOSS, PROF. ROBERT W, b. Fitchburg, Mass, Oct. 6, 25; m. 56; c. 4. ECO-NOMICS, EDUCATION. B.S. Col. Holy Cross, 48; M.Ed, Fitchburg State Col., 49; M.A., Clark, 59; Ed.D. (higher ed), Boston Col., 65. Instr. hist. 6c, Fischburg State Col., 54-56; PROF. ECON, WORCESTER STATE COL., 56- Consult, Worcester br, Int. Bus. Mach. Corp., 65-67; Comput. Serv. Center, 69- Ed. adv, Nat. Coun. Social Studies, 56-67. U.S.N.A.F.R, 43-, Lt. Comdr. Acad. Polit. Sci, Acad. Polit. & Soc. Sci. Financial administration of public education, particularly higher education. Publ. General education policies and practices in Massachusetts State Colleges, Boston Col., 65. Address: Dept. of Economics, Worcester State College, 486 Chandler St, Worcester, Mass. 01602.
- GOTESKY, PROF. RUBIN. Philosophy. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos, Relig. & Law.
- GOTTERER, PROF. MALCOLM HAROLD. Computer Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Dept. of Computer Science, Pennsylvania State University, 426 McAllister Bldg, University Park, Pa. 16802.
- GOTTESFELD, DR. HARRY, b. New York, N.Y., July 14, 24; m. 60. PSY-CHOLOGY. B.A. Brooklyn Col, 47; Ph.D. (psychol), N.Y. Univ, 55. Staff psychologist, neurol. inst. Columbia Presby. Med. Center, 52-54; Kings County Rosp, 54-61; r., psychologist, Bellevue Hosp, 61-62; res. dir, C.S.A.C. Consultation Unit, Jewish Bd. Guardians, 62-64; chief psychologist & dir. clin. res. psychat, Bronx Lebanon Hosp, 64-65; res. consult, Wurzweiler Sch. Soc. Work, Yeshiva, 65-66, assoc. prof. & res. dir. proj. beacon, 66-69, RES. DIR. COMMUNITY MENT. HEALTH & ACTING CHIEF PSY-CHOLOGIST, ROOSEVELT HOSP, NEW YORK, 68- Res. dir, Anti-Poverty Prog. East Harlem, 65-66; prin. investr, Title I grant, 68; U.S. Off. Ed. res. grant, 68-69. Res. consult, sch. med, Tennessee, 63-64; Community Develop. Youth, Huntington, N.Y, 64-65; consult, Title I projs, N.Y. State, 68. U.S.A, 43-46. Psychol. Asn; Soc. Adlerian Psychol. Community Mental health; ioster care; anti-poverty program. Publ: Professionals and delinquents evaluate professional methods with delinquents, Soc. Probs, summer 65; co-auth, Changes in feelings of power-lessness in a community action program, Psychol. Reports, 66; auth, In loco parentis, J.C.C.A, 5/70. Address: 11 Riverside Dr., New York, N.Y. 10023.
- COTTLIEB, PROF. DAVID, b. U.S., July 7, 30; m. 55; c. 4. SOCIOLOGY.
 B.A., Wayne State, 53; Ph.D., Chicago, 60. Res. assoc. sociol, Wayne State,
 51-53; res. analyst, Soc. Res. Ine, Ill, 55-57; lectr. sociol, Northwestern,
 57-56; asst. study dir, and. opinion res. center, Chicago, 58-69; asst. prod.
 sociol. & anthrop, Mich. State. Opportunity, 64-67; PROF. SOCIOL. & DIR.
 DIV. COMMUNITY SERV, COL. HUMAN DEVELOP, PA. STATE, 67- Consult, Peace Corps; res. adv. & consult, U.S. Soc. Security Admin; consult,
 President's Cmt. Sci. & Tech, 63-64; V. President's Cmt. Youh, 64-67; Off.
 Econ. Opportunity, 67- U.S. Merchant Marine, 53-55. Sociol. Asn; Ed.
 Res. Asn. Attitude change; sociology of higher education research on adolescent socialization and value systems; education and socialization of disadvantaged youth. Publ. Co-auth, Adolescent behavior in urban areas, 63 &
 The emergence of youth cultures, 66, Macmillan; The American adolescent,
 Dorsey, 64. Address: College of Human Development, Pennsylvania State
 University, State College, Pa. 16801.
- GOTTWALD, PROF. NORMAN K(AROL), Old Testament. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

- GOTTWALD, DR. RICHARD L(ANDOLIN), b. Detroit, Mich., Jan. 24, 41; m. 65; c. 1. PSYCHOLOGY. B.A, Michigan, 64; M.A, Hopkins, 86; Ph.D. (psychol.), 68. RES. STAFF PSYCHOLOGIST & LECTR, YALE, 88- AAAS; Psychol. Asn. Concept attainment; problem solving; classification behavior; temporal and spatial pattern perception; information processing. Publ. Coauth, Some perceptual factors in the learning of sequential patterns of binary events, J. Verbal Learning & Verbal Behav, 67 & The perception and learning of temporal patterns, Quart. J. Exp. Psychol, 98. Address: Dept. of Psychology, Yale University, New Haven, Conn. 06510.
- GOUGH, PROF. AIDAN RICHARD. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- GOULD, DR. A. LAWRENCE. Statistics. See 12th ed, Phys. & Biol. Vols.
- GOULD, DR. JOHN D(AVID). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also mgr. behav. sci. group, 68-, IBM Research Center, Yorktown Heights, N.Y. 10596.
- GOULD, DR. J(OSEPH) S(IDNEY). Economics. See A-K Vol, 11th ed, Soc & Behav. Vols. Change of address: 24 Kent Way, Newark, Del. 19711.
- GOULD, DR. RAYMOND F(RANCIS). Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. sociol, Hood Col, 69- Address: 201 Crestview Court, Frederick, Md. 21701.
- GOULDING, DR. A(RNOLD) VICTOR. Psychology, Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 155 W. 68th St, New York, N.Y. 10023.
- GOULET, DR. L(ARRY) R(AYMOND). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. ed. psychol. & psychol, 69-, Dept. of Educational Psychology, University of Illinois, Urbana III. 61801.
- GOURAN, DR. DENNIS S, b. Peoria, Ill, Oct. 30, 41; m. 63; c. 1. SPEECH. B.S, Illinois State, M.S, 65; Ph.D. (speech), Iowa, 68. ASST. PROF. SPEECH, INDIANA, BLOOMINGTON, 68. Speech Ass. Am. Group communication and persuasion. Publ: Attitude change and listeners' understanding of persuasive communication, Speech Teacher, 11/66. Address: 215 S. Rose, Bloomington, Ind. 47401.
- GOVE, PROF. SAMUEL K(IMBALL). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 2006 Bruce Dr, Urbana, III. 61801
- GOVE, DR. WALTER ROBERTS, b. Holden, Mass, June 8, 38; m. 65; c. l. SOCIOLOGY, B.S, State Univ. N.Y. Col. Forestry, Syracuse, 60; M.A. Washington (Seattle), 67; Ph.D. (sociol), 66. ASST. PROF. SOCIOL, VANDERBILT, 68- Sociol. Asn. Deviance, especially sociology of mental illness, methodology; social psychology; human ecology; family economics. Publ: Co-auth, The conception and measurement of asymmetric monotonic relationships in sociology, 549 & auth, Sleep deprivation: a cause of psychotic disorganization, 370, Am. J. Sociol; co-auth, An intensive treatment program for psychiatric in-patients: a description and evaluation, J. Health & Soc. Behav, \$469. Address: Dept. of Sociology, Vanderbilt University, Box 1811, Station B, Nashville, Tenn. 37203.
- GOW, PROF. J(AMES) STEELE, JR. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 4519 Middle Rd, Allison Park, Pa. 15101.
- GOZANSKY, DR. NATHANIEL ELLIOTT. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- GRABOWSKI, DR. HENRY GEORGE. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 507 Whitney Ave, New Haven, Conn.
- GRADY, L.T. COL. MICHAEL J. JR. U.S.A.F. b. Central Falls, R.I. Nov. 4, 23; m. 53; c. 5. EDUCATIONAL PSYCHOLOGY, Ed.B. Rhode Island Col. 51; M.A. Alabam 51; Ph.D. Jed. psychol), 64. U.S. All FORCE 14. from 15; M.A. Alabam 51; Ph.D. Jed. psychol), 64. U.S. All FORCE 14. from 15; R.S. 99; depths: r. 6. 69. Grant FORCE ACAD, 64-66; DIR. RES. 99; depths: r. 6. 69. Grant FORCE ACAD, 64-66; DIR. Col. 15; Principles 15; Principles 15; D. G. Grant Force 16; D. G. Gr
- GRAFTON, DR. THURMAN S(TANFORD). Laboratory Animal Medicine. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- GRAHAM, DR. DOUGLAS H, b. Erie, Pa; June 23, 32; m. 60; c. 2. ECONOM-ICS. B.A, Yale, 55; M.A, Hopkins, 59; M.A, Harvard, 63, Ph.D. (econ), 68. Instr. ECON, Northeastern, 63-65; ASST. PROF, VANDERBILT, 66. Vis. prof, grad. sch. econ, Getulio Vargas Found, Rio de Janeiro, Brazil, 66-68. Mem. joint study group on indust. res. in Brazil, 19.S.-Brazil Coop. Prog. Nat. Acad. Sci, 67-68. U.S.N, 55-57. Econ. Asn; Latin Am. Studies Asn. High level manpower problems in underdeveloped societies; Latin American economic problems; contemporary Brazilian economic problems; internal migration and economic growth. Publ: Divergent and convergent regional economic growth and internal migration in Brazil, 1940-1960. Econ. Develop. & Cultural Change, 4/70. Address: Dept, of Economics, Box 1819, Station B, Vanderbilt University, Nashville, Tenn. 37203.
- GRAHAM, EARL ADDISON. Economics. See 11th ed, Soc. & Behav. Vols, deceased 69.
- GRAHAM, DR. GERALD H(UGH). Social Science, Organizational Behavior. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn. admin. dept, Wichita State, 69- Address: 2753 N. Pershing, Wichita, Kans. 67220.

- GRAHAM, PROF. J(AMES) KEITH, b. Detroit, Mich, Dec. 14, 25; m. 56; c. 2. SPEECH PATHOLOGY, AUDIOLOGY. B.S. Wayne State, 48, M.A., 51; Ph.D. (speech path), Northwestern, 64. Dir. speech clin, Cornell, 49-51; Northwestern, 55-63; res. staff consult, sensory disabilities study sect, div. res. grants, Voc. Rehab. Admin, Dept. Health, Ed. & Welfare, 63-66; PROF. SPEECH PATH. & AUDIOL. & CHMN. DEPT. WICHITA STATE, 66- Ped. consult, submett on sensory aids, cmt. on prosthetics res. & develop, Nat. Acad. Sci-Nat. Res. Coun, 63-66; consult, tech. utilization br, NASA, 63-66; U.S.A, 51-. Speech & Hearing Asn. Disorders of human communication; stuttering; sensory aids for the blind and deaf. Publ: Co-auth, Treatment of communicative disorders, In: Mental retardation: diagnosis and treatment, Harper, 69. Address: Dept. of Logopedics, Wichita State University, Wichita, Kans. 67028.
- GRAHAM, JOHN J(OSEPH). Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 44 Bromfield St, Boston, Mass. 02108.
- GRAHAM, DR. JOHN R(OBERT). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 68-, Dept. of Psychology, Kent State University, Kent, Ohio 44240.
- GRAHAM, DR. LAWRENCE S. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. 69-, Dept. of Government, University of Texas, Austin, Tex. 78712.
- GRAHAM, DR. LeROY STONEY. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: On leave from American Univ. as dir, 69-, Washington Pastoral Counseling Service, 1500 16th St. N.W. Washington, D.C. 20036.
- GRAHAM, DR. WILLIAM KIMBALL, b. Palo Alto, Calif, Feb. 25, 39; m. 61; c. 1. PSYCHOLOGY. B.A, Willamette, 62; M.A, Illinois, 64; Ph.D. (psychol), Wayne State, 66. Asst. Prog. dir. human resources res. Life Ins. Agency Mgt. Asn, 66-67; ASST. PROF. PSYCHOL, CALIFORNIA, BERKELEY, 67-AAAS; Nat. Coun. Crime & Delinquency; Psychol. Asn. Attitude change; social influence processes; leadership; organizational psychology. Publ: Description of leader behavior and evaluation of leaders as a function of LPC, 68, Comparison of job attitude components across three organizational levels, 69 & co-auth, Personality correlates of supervisory ratings, 69, Personnel Psychol. Address: Dept. of Psychology, University of California, Berkeley, Calif. 94720.
- GRAHAM, DR. WILLIAM MUIR. Ecology, Insect Behavior. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- GRAME, THEODORE C, b. New York, N.Y., Jan. 28, 30; m. 53; c. 1. ETHNO-MUSICOLOGY. Mus. B, Manhattan Sch. Music, 52, Mus. M, 54; N.Y. Univ, 58-62. Assoc. curator music, Mus. Music, Scarsdale, N.Y., 61-64; leetr. hist. music, Yale, 64-68, docent musical instrument, 66-68; LECTR. WORLD MUSIC, WESLEYAN, 68- Yale Concilium Int. Studies grants, Maghrib, 65-60; Consult, musical instruments, cantometrics proj. Nat. Inst. Ment. Health, 63-65; folk music, Juliard repertory proj, U.S. Off. Ed, 64-67. Mem. bd, Nat. Coun. Arts in Ed, 66- Soc. Ethnomusicol.(seev, 64-). Musical instruments; Maghribi music; American music. Publ: Bamboo and music: a new approach to organology, 1/62 & An historical view of musicology and performance, 9/63, Ethnomusicology; Music in the Jma al-Fna of Marrakesh, Morocco, Musical Quart, 1/70. Address: Dept. of Music, Wesleyan University, Middletown, Conn. 06457.
- GRANELL, DR. LEE E. Speech. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- GRANGER, PROF. SHELTON B. b. Harrisburg, Pa, Feb. 21, 21; m. 43; c. 5. POLITICAL SCIENCE. A.B., Howard, 42; M.S., Columbia, 47; Western Reserve, 51. Dir. indust. rels, Cleveland Urban League, 41-51, exc. dir, 58-62; Minneapolis Urban League, 51-53; dir. youth develop. div, Children's Bur, Dept. Health, Ed. & Wellare, 62-63; human resources develop. div, Latin Am. Bur, Agency Int. Develop, 63-65; dep. asst. secy. int. affairs, Dept. Health, Ed. & Wellare, 65-69; ASSOC. PROF. POLIT. SCI, MACAL-ESTER COL, 69- Guest lettr, schs. soc. work, Univ. Minnesota & Univ. Maryland. Ford Found. ed. consult. for Gray Areas Prog. 60-61; consult, President's Cmt. Juvenile Delinquency, Dept. Justice, spring 62. U.S. del, Ninth Orgn. Am. States Conf. on Children, Argentina, 63, UN Econ. & Soc. Com, Geneva, 66, UN Cm. on Soc. Develop, 66-68 & UN Conf. Ministers, 68. U.S.A, 42-46, 1st Lt. International relations; civil rights; social welfare planning; national and international community development. Publ: Planning 1963, key issues in human welfare, Am. Soc. Planning Off, 63; Meeting information needs in health, education and welfare, the computer in American education, John Wiley & Sons, 67; Issue 20, people and food: the coming crisis, topic, U.S. Info. Agency Pub, 8/61. Address: 1832 Ken-wood Pkwy, Minneapolis, Minn. S5405.
- GRANROSE, DR. JOHN THOMAS. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
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- GRANT, DR. WARREN RAY, b. Hillsboro, Tex, Nov. 15, 33; m. 58; c. 3. AGRICULTURAL ECONOMICS. B.S, Texas A&M, 55, M.S, 56, Ph.D.(agr.

- econ), 69. Res. technician, Tex. Agr. Exp. Sta, 56 & 58-59; agr. statistician, Statist. Reporting Serv, U.S. DEPT. AGR, Tex, 59-61, AGR. ECONOMIST, FARM PROD. ECON. DIV, ECON. RES. SERV, Ark, 61-64, Tex, 64-68, CALIF, 69- U.S.A., 56-58. Economic problems associated with rice production and marketing. Publ: Co-auth. Effects of allotment and price changes on rice farms in the Mississippi River Delta, 67 & Equipment technology and weather on rice farms in the Grand Prairie, Arkansas, 69, Ark. Agr. Exp. Sta; auth, A model for estimating costs of government programs for rice, Agr. Econ. Res., 7/67. Address: Economic Research Service, U.S. Dept. of Agriculture, University of California, Davis, Calif. 95616.
- GRATCH, PROF. GERALD, b. New York, N.Y., Oct. 28, 27; m. 61; c. l. PSY. CHOLOGY. Soc. Sci. Res. Coun. fel, Dartmouth Col. 53; Ph.D. (gsychol). Chicago, 56. U.S. Pub. Health Serv. fel. child develop, Cornell, 56-57; res. assoc, Minnesota, 57-58; U.S. Pub. Health Serv. intern clin. psychol, III. Neuropsychiat. Inst, 58-59; Michael Reese Hosp, 59-60; instr. soc. sci. & psychol, Wright Jr. Col. 60-62; asst. prof. child develop, Roosevelt, 62-64; trom assoc. prof. to PROF. PSYCHOL, HOUSTON, 64- Nat. Inst. Ment. Health grant, 65-66; Nat. Inst. Child Health & Human Develop. grant, 68-70. U.S.A, 46-47. AAAS; Psychol. Asn; Soc. Res. Child Develop. Identification of levels of knowing, especially the relationship between intuition and analysis in the course of human development. Publ: Co-auth, A clinical approach to the understanding of normal and pathalogic adolescence, Arch. Gen. Psychiat, 66; auth, Response alternation in children, Vita Humana, 66 & An exploratory study of the relation of dependence upon adult approval and age to children's risk taking, Child Develop, 66. Address: Dept. of Psychology, University of Houston, Cullen Blvd, Houston, Tex. 77004.
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- GRAVEL, DR. PIERRE BETTEZ, b. Gravelbourg, Sask, July 30, 22; m. 58; c. 3. ANTHROPOLOGY. B.A, Ottawa (Om), 45; cert. ethnol, Paris, 55; M.A, Michigan, 59, Ph.D. (anthrop), 62. Asst. prof. ANTHROP, Colorado, 62-64; ASSOC. PROF, Dalhousie, 64-65; NORTHERN ILLINOIS, 65- Vis. etc., Michigan, summers 62 & 65. NAI Sci. Found. consult. grant, 64. Fel. Anthrop. Asn; fel. African Studies Asn. Cultural anthropology; Africa; socio-politico-economic structure; power structure and the search for power; theory and method. Publ: Remera: a community in Eastern Ruanda, Mouton, the Hague, 68; The method of anthropology, Houghton, (in press); Diffuse power as a commodity, Int. J. Comp. Sociol, 68, Address: Dept. of Anthropology, Northern Illinois University, DeKalb, Ill. 6015.
- GRAVES, DR. BENNIE DWANE, b. Hollis, Okla, Mar. 13, 28; m. 50; c. 3. SOCIOLOGY. B.S, W. Tex. State Col., 50; M.A, Texas, 53; Ph.D.(sociol), Mich. State, 68. Teacher, pub. schs, Tex, 50-51, intermediate sch, 53-54; therapist, Vet. Admin. Hosp, Downey, Ill., 54-56; case worker, Austin State Hosp, Tex, 57-59; instr. sociol. & psychol, Jackson Community Col. 59-66; asst. instr. SOCIOL, Mich. State, 6:6-67; assoc. prof, Ferris State Col, 67-68; ASSOC. PROF, CENTRAL MICHIGAN, 68- Consult, behav. sci. elem. teacher ed. prof, Mich. State Univ. summer 68; Mich. State Civil Serv. Mgt. Conf., 69. U.S.N, 45-46. Sociol. Asn; Soc. Appl. Anthrop. Sociology of industry, occupations, professions and mental illness. Publ. Co-auth, Behavioral science for elementary teachers, U.S. Dept. Health, Ed. & Welfare, 68; auth, Breaking out: an apprenticeship system among pipeline construction workers, Human Orgn, § 788. Particularism, exchange and organizational efficiency..., Soc. Forces, 9/70. Address: Dept. of Sociology & Anthropology, Central Michigan University, Mt. Pleasant, Mich. 48858.
- GRAVES, DR. HANNON B. Genetics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
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- GREEN, DR. KENNETH F(ISHER), b. Lewiston, Maine, Oct. 29, 40; m. 63; c. 1. EXPERIMENTAL PSYCHOLOGY. A.B, Brown, 62; M.S, Massachusetts, 66, Ph.D. (psychol), 67. Fel. PSYCHOL, Harvard Med. Sch, 67-68; ASST. PROF, CALIF. STATE COL. LONG BEACH, 68- Psychol. Asn. Neural bases of behavior and behavior changes. Address: Dept. of Psychology, California State College at Long Beach, Long Beach, Calif. 90801.
- GREEN, DR. LEON, b. Brooklyn, N.Y. Apr. 3, 34; m. 58; c. 4. PSYCHOLOGY. M.S. City Col. New York, 57; Ph.D. (Ingychol), Yeshiva, 64; cert, Alfred Adler Inst, 65. Sr. clin. psychologist, Cent. Islip State Hosp, 59-60; sch. psychologist, Hicksville Pub. Sch.s, 60-66; ASST. PROF. ED. PSYCHOL, QUEENS COL. (NY), 66- Psychol. consult, Yeshiva, 64-66; div. voc. rehab, N.Y. State Dept. Ed, 64-70. Dipl. sch. psychol. Rd. Exam. Pzfrli. Psychol, 70. Religion; philosophy; education. Publ: School psychologist—nomad or settler, J. Learning Disabilities, 69, Exisential analysis of underachievement, 69 & Existentio-religious critique of authority-authoritarian dichotomy, 70, Nassau Co. Psychol. Bull. Address: 215 Lincoln Blvd, Long Beach, N.Y. 11561.
- GREEN, PROF. LESLIE C. Political Science, International Relations. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Univ. prof, 69-, Dept. of Political Science, University of Alberta, Edmonton, Alta, Can.
- GREEN, DR. ROGER C(URTIS). Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. chmn. dept. anthrop, Bernice P. Bishop Mus, Hawaii, 69-70; Capt. James Cook fel, Royal Soc. N.Z, 70-dress: Auckland Institute and Museum, Private Bag, Auckland, N.Z.
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 GREENBERG, DR. IRA A(RTHUR), b. Brooklyn, N.Y. June 26, 24. PSYCHOL-OCY, PSYCHODRAMA. B.A., Okiahoma, 49; M.A., Southern California, 62; M.S., Calif. State Col. Los Angeles, 63; Ph.D.(psychol), Claremont Grad. Sch, 67; Reporter, Columbus Enquirer, Gas. 51-55; Louisville Courier-Jour, Ky, Lectr., psychol. Chapman Col., 65-66; psychol. assoc. CAMARILLO STATE HOSP, 67; staff psychologist, 67-69; Sulvy. PSYCHOLOGIST, 69-Asst. prof., San Fernando Valley State Col., 67-69; lectr., exten. div., California, Santa Barbara, 68-; vol. psychologist, Fore Clin. Los Angeles, 69-Asst. prof., San Fernando Valley State Col., 67-69; lectr., exten. div., California, Santa Barbara, 68-; vol. psychologist, Fore Clin. Los Angeles, 69-Asst. prof., San Fernando Valley State Col., 67-69; lectr., exten. div., California, Santa California, Santa Develop. Los Angeles, 69-Training consult, Topanga Center Human Develop. Los Angeles, 69-Training consult, Topanga Center Human Develop. Los Angeles, 69-Training consult, Topanga Center Human Develop. Los Angeles, 69-Evinews notes del Comp. Group Studies, Los Angeles, 70-AU.S., 43-46, U.S.A.R., 50-51, Sgt. AAAS; Psychol. Asn. Sociol. Asn. Soc. Group Psychother. & Psychodrama; Soc. Clin. & Exp. Hypnosis; Soc. Clin. Hypnosis; Soc. Psychical Res. Attitude change theory, role theory & interpersonal relationships; learning through time-distortion techniques of hypnosis; sociometry of groups. Publ: Psychodrama and audience attitude change, Behav. Studies, Beverly Hills, Calif., 68; Audience in action through psychodrama, 64 & co-auth, Psychodrama audience with emphasis on closed-circuit television, 68, Group Psychother. Address: Dept. of Psychology, Camarillo State Hospital, Camarillo, Calif. 93010.
- GRENBERG, DR. MARTIN STEWART, b. Bronx, N.Y., Apr. 3, 37; m. 61. PSYCHOLOGY. B. A. City Col. New York, 58; Off. Voc. Rehab. fel, Houston, 59-61, M.A. 61, Nat. Inst. Ment. Health fel, 61-63, Ph.D. [Dsychol), 63. Lectr. & res. assoc. SOC. PSYCHOL, Michigan, 63-65; asst. prof. Washington (St. Louis), 65-68; ASSOC. PROF. PITTSSURGH, 68. Psychol. Asn., Soc. Psychol. Study Social Issues. Psychology of social influence and attitude change; social exhange theory and theory of indebtedness; social psychology of physical disability and illness. Publ: Role playing: an alternative to deception, J. Personality & Soc. Psychol, 67; oc-auth, Reciprocity and intentionality in the giving of help, Proc. 76th Conv. Am. Psychol. Asn, 68. Address: Dept. of Psychology, University of Pittsburgh, Pittsburgh, Pa. 15213.
- GREENBERG, DR. MEYER. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir, Univ. Maryland Semester in Israel at Tel Aviv Univ, 69- Address: University of Maryland, Language Bldg, 402, College Park, Md. 20742.
- GREENE, DR. ERNEST GERALD. Physiological Psychology. See 12th ed, Phys. & Biol. Vols.
- GREENE, JAMES R. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: Manufacturers Hanover Trust Co, 350 Park Ave, New York, NY, 10022.
- GREENE, DR. KENNETH V, b. Brooklyn, N.Y, Sept. 26, 43; m. 66; c. 2. ECONOMICS. B.B.A, St. John's (N.Y.), 65; M.A, Virginia, 67, Nat. Defense Ed. Act fel. & Ph.D.(econ), 68. ASST. PROF. ECON, STATE UNIV. N.Y. BINGHAMTON, 68- Summers, vis. asst. prof. econ. inst, Univ. Colorado,

- 69 & State Univ. N.Y. Res. Found. faculty res. fel, 70. Econ. Asn. Intergovernmental fiscal relations; demand for public services by income groups; economics of discrimination; economics of draft and lottery. Publ. Some institutional considerations in federal-state relations, Publ. Choice, spring 70. Address: Dept. of Economics, State University of New York at Binghamton, Binghamton, N.Y. 13901.
- GREENE, LYFORD N(ORMAN). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 69. Address: 2 Herkimer Rd, Scarsdale, N.Y. 1058.
- GREENE, ROBERT JUDSON, b. Englewood, N.J. Feb. 20, 31; div; c. 2. PSY-CHOLDGY. B.S., Denison, 58; M.S., Ohio, 60. Psychol. trainee, Athens State Hosp, Ohio, 58-59; clin. psychologist, Annandale State Reformatory, N.J. 60-62; E.R. Johnstone Training & Res. Center, 62-64; res. psychologist, N.J. State Dept. Health, 64-65; clin. psychologist, N.J. Neuropsychiat. Inst, Princeton, 65; res. psychologist, Horizon House, Phila, Pa, 65-66; RES. SCIENTER, 52. A. JOHNSTONE TRAINING & RES. CENTER, 66-Psychol. Asn. Human operant conditioning; exploration of new techniques for modification of the desirable behaviors. Publ. Modification of smoking behavior, 4/64 & co-auth, Human operant condition: a new technique for behavior modification, 170, Psychol. Record, co-auth, Reinforcing capabilities of television distortion, J. Appl. Befax. Anal, summer 63. Address: E.R. Johnstone Training & Research Center, Bordentown, N.J. 08505.
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- GREENHOUSE, DR. PHYLLIS, b. Brooklyn, N.Y. Mar. 27, 24; m. 45; c. 2. EXPERIMENTAL & DEVELOPMENTAL PSYCHOLOGY. B.A. N.Y. Univ, 64; Ph.D. (exp. psychol), Adelphi, 68. ASST. PROF. EXP. PSYCHOL, Adelphi Gol, 68-69; BROOKLYN COL, 69- Psychol. Asn; Soc. Res. Child Develop. Research in free recall and paired associate verbal learning with particular emphasis on response integration. Publ: Co-auth, The effect of rehearsal preventing task upon retention of CVC syllables, J. Verbal Learning & Verbal Behav, 8/65, auth, Free recall under serial and grouped presentation, 1167 & Integration of word pair responses in paired associate learning, 6/6, Psychonomic Sci. Address: Dept. of Psychology, Brooklyn College, Brooklyn, N.Y. 11210.
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- GREENSTEIN, DR. HAROLD. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- GREENWALD, DR. HERBERT J. Social Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Assoc. prof. 69-, Dept. of Psychology, Bridgewater State College, Bridgewater, Mass. 02324.
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- GREER, DR. RICHARD T. POLITICAL SCIENCE. B.A, St. John's (Minn), 50; M.A, Georgetown, 59. Asst. librn, U.S. Senate Library, 55-62; exec. dir. Opers. & Policy Res, inc, 62-65; DEP. DIR. ECON. DEVELOP. ADMIN, U.S. DEPT. COMMERCE, 66. Lectr, for. serv. sch, Georgetown, 62. Cert. of commendation, U.S. Dept. Commerce, 68. U.S.A.A.F, 44-46, §2. Polit. Sci. Asn. Regional economic development emphasizing the role of micro-cities in rural-urban balance. Address: 9222 Lindel Lane, Vienna, Va. 22180.
- GREGERSEN, DR. EDCAR A(LSTRUP), b. New York, N.Y., Apr. 24, 37. AN-THROPOLOGY, LINGUISTICS. B.A, Queens Col.(N.Y), 57; Soc. Sci. Res. Coun. 1el, Columbia, 61-62; Ph.D. (anthrop), Yale, 62. Instr-lectr. African larg, Columbia, 63-68; ASSOC. PROF. ANTHROP, QUEENS COL.(N.Y.), 68-Larg. coordinator, Nigerian Peace Corps Training Prog. & Teachers for

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GREYSER, DR. STEPHEN A, b. Boston, Mass, Mar. 17, 35; m. 68. BUSINESS ADMINISTRATION, MARKETING. A.B, Harvard, 56, M.B.A, 58, D.B.A, 65. Res. asst. & assoc. BUS. ADMIN, GRAD. SCH. BUS, HARVARD, 56-L0. Asst. pcd, 66-68, ASSOC. PROF, 66-, SECY. ED. BD, HARVARD BUS. REV, 66-, asst. ed. & res. dir, 61-66. Kappa Tau Alpha lect, sch. commun, Univ. Illinois, spring 69; Am. Asn. Advert. Agencies Ed. Found. grantee, 69-71; mem. faculty & planning cmt, Harvard Summer Sch. Inst. Arts Admin, 70-Regional dir, Am. Acad. Advert, 64-67; dir. & chmn. pub. bd, Am. Mkt. Asn, 67-69; mem. commun. cmt, U.S. Chamber of Commerce, 69-0. Sch. Mkt. Asn, 26-Advert; Asn. Pub. Opinion Res; Coun. Consumer Interests. Public and executive opinion toward business and societal institutions, especially advertising; consumer affairs; advertising decision-making; marketing and communications research; consumer behavior. Publ. Co-auth, Advertising in America: the consumer view, Div. Res, Harvard Bus. Sch, 68; Advanced cases in marketing management, Prentice-Hall, 68; ed. Toward scientific marketing, Am. Mkt. Asn, 64. Adress: Graduate School of Business Administration, Harvard University, Boston, Mass. O2163.

GRIB, DR. THOMAS F(ELIX). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 70-, Dept. of Psychology, St. Norbert College, West De Pere, Wis. 54178.

GRIESON, DR. RONALD EDWARD, b. New York, N.Y. Mar. 8, 43. ECONOMICS. B.A., Queens Col.(N.Y), 64; N.Y. Regents scholar, Rochester, 64-67, univ. fel. & M.A. 67, Herbert H. Lehman fel. & Ph.D. (econ), 70. Instr. ECON, Rochester, 68-69, ASST. PROF, MASS. INST. TECH, 69- Econ. Asn; Economet. Soc. Cost effectiveness studies of crime prevention and rehabilitation using multiple regression, simultaneous equations and probit analysis; applications of welfare economics to urban economic and state and local public finance. Publ: Pareto optimal tax structure in a neo-classical growth model, summer 67 & A cost effectiveness study of the prevention of juvenile delinquency, winter 68, Econometrica. Address: Det. of Economics, Massachusetts Institute of Technology, E52-274A, Cambridge, Mass. 02139.

GRIEVES, DR. FOREST LESLIE, b. Beatty, Nev, Sept. 19, 38; m. 63; c. 1. POLITICAL SCIENCE. B.A, Stanford, 60; Hamburg, 62-63; M.A, Nevada, Reno, 64; Ph.D.(govi), Arizona, 67. ASST. PROF. POLIT. SCI, Western Illinois, 67-69; MONTANA, 69- U.S.A, 60-62, 1st Lt. Polit. Sci. Asn. Soc. Int. Law. International law, politics and organization; comparative politics, particularly Western Europe and Soviet Union. Publ: Supranationalism and international adjudication, Univ. Ill. 99; Inter-party competition in the Federal Republic of Germany—1945-1965; a methodological inquiry, west. Polit. Quart, 12/67; Reform of the method of very linguistics is in the international court of justice, Am. J. Int. Law. J./90 Aug. Dept. of Political Science, University of Montana, Missoula, Mont. 59801.

GRIFFIN, DR. DONALD WILLIAM, b. Princeton, Ill, Sept. 26, 33; m. 56; c. 3. GEOGRAPHY. B.S, Illinois State, 55, M.S, 56; Ph.D. (urban geog), Clark, 63. Instr. GEOG, R.I. Col, 61-62; asst. prof, California, Los Angeles, 63-68; ASSOC. PROF, WESTERN ILLINOIS, 68- Participant, Nat. Sci. Found. Summer Inst. Comput. Graphics, Washington (Seattle), 64; Ford Found. & African Studies Center field res. grants, W.Africa & West. Europe, summer 65. U.S.A, 56-58. Asn. Am. Geog. Land use change in the central area of 4 American cities. Publ: Co-auth, A restatement of the transition zone concept, Ann. Asn. Am. Geographers, 66; auth, Urban redevelopment in Africa: the case of Lagos, Calif. Geographer, 67; co-auth, Land use in the central commercial area, J. Geog, 968. Address: Dept. of Geography, Western Illinois University, Macomb, Ill. 61455.

GRIFFIN, DR. DOROTHY PARK. Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position; Chief psychol. serv, N.C. State Dept. Soc. Serv, 69-Address: 3701 Western Blvd, Raleigh, N.C. 27605.

GRIFFIN, DR. KEITH B, b. Colon, Panama, Nov. 6, 38; U.S. citizen; m. 56; c. 2. ECONOMICS. B.A, Williams Col, 60; B.Phil, Oxford, 62, D.Phil, 65. Vis. prof. ECON, inst. econ, Chile, 62-65; FEL, MAGDALEN COL, OX-

FORD, 65- Agr. planning expert, Govt. Algeria, 63-64; adv, UN 67; summers, res. adv, Pakistan Inst. Develop, Econ, 65; adv, U.S. Agency Int. Develop, 66; liter-Am. Cmt. Alliance Progress, 66. Econ. Asr., Royal Econ. Asn. Economic development; international trade and finance; economic planning; agricultural policy; public finance. Publ. Co-auth. Comercio internacional y politicas de desarrollo economico, Fondo de Cultura Econnica, 67; auth, Underdevelopment in Spanish America, Allen & Unwin, 69; oc-auth, Planning development, Addison-Wesley, 70. Address: Magdalen College, Oxford, Eng.

GRIFFITH, DR. JOHN ROBERT, JR, b. Topeka, Kans, Nov. 15, 28; m. 57; c. 2. ECONOMICS. B.A, Washburn, 50, J.D, 52; M.A, Missouri-Kansas City, 63; Ph.D. Iceon), Kansas, 68. Jr. partner law firm of Keach, Howard, Griffith & Wallace, 55-60; instr. ECON, Northwest Mo. State Col., 63-64; asst. prof. Millikin, 64-68; ASSOC, PROF, Stephen F. Austin State, 68-69; BEMIDJI STATE COL., 69 - Consult, Center Environ. Studies, North. Minn, 69 - Judge Advocate Genc, U.S.A, 52-55, Ist Lt. Econ. Asn. Relation between international interest differential and international capital flows; impact of court congestion on gross national product. Publ: Local draft board action under selective service regulations, Kans. Bar J, 5/52; Effect of I.E.T. on American purchases of European bonds, J. Finance, 6/69. Address: Dept. of Economics, Bemidji State College, Bemidji, Minn. 56601.

GRIFFITH, DEAN LOUISE (HARVEY), b. Carson, Miss, Nov. 3, 22; m. 48; c. 3. EXPERIMENTAL PSYCHOLOGY. B. A, Miss. Col, 48; M. A, Southern Mississippi, 51, fel, 64-66, Ph.D.(exp. psychol), 68. Teacher, pub. schs, Miss, 48-64; asst. prof. psychol, William Carey Col, 66-67, assoc. prof. 67-68, prof. ed. & psychol. & head dept, 68-69; ASSOC. PROF. PSYCHOL. & DEAN OF WOMEN, MISS. COL. 69- AAAS; Psychol. Asn, Nat. Asn. Women Deans & Counsr. Verbal and motor learning; memory storage and retention and interference theory; conditioning of emotional responses; behavioral modification—therapy; theories of personality; theories of learning. Address: Dept. of Psychology, Mississippi College, P.O. Box 203, Clinton, Miss. 39065.

GRIFFITH, DR. RICHARD M(ARION). Psychology. See 11th ed, Soc. & Behav. Vols, deceased 69.

GRIFFITH, PROF. WILLIAM EDCAR, b. Remsen, N.Y, Feb. 19, 20; m. 48; c. 3. POLITICAL SCIENCE, HISTORY. A.B, Hamilton Col. 40; M. A. Harvard, 41, fel, 48-30, Ph.D.(hist), 50. Chief denazification br, U.S. Mill. Govt. Bavaria, 47-48, asst. to pres, Free Europe Cmt, N.Y, 50-51; polit. adv, br. College Coll

GRIFFITHS, DR. I(ORWERTH) ACE. Counseling Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. counseling & ed. psychol, Fresno State College, Fresno, Calif. 93726.

GRIGG, PROF. CHARLES M(EADE). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 2500 Harriman Circle, Tallahassee, Fla. 32303.

GRIGG, DR. VERNON H(ERBERT). Industrial Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: V.pres, 69-, Esso Europe Inc, 50 Stratton St, London, WIX 64U, Eng.

GRILICHES, PROF. H(IRSH) ZVI. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, Howard, 69- Address: 89 Dorset Rd, Waban, Mass. 02168.

GRIM, DR. PAUL FREDERICK. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1634 Denniston Ave, Pittsburgh, Pa. 15217.

GRIMALDI, DR. JOHN VINCENT. Chemical & Safety Engineering. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

GRIMES, PROF. GLENN, b. Hartville, Mo, June 17, 23; m. 48; c. 2. AGRI-CULTURAL ECONOMICS. B.S, Missouri, 51, M.S, 65; County agr. agent, MISSOURI-COLUMBIA, 51-56, asst. prof. AGR. ECON, 56-59, ASSOC. PROF, 59- Agr. Econ. Asn. Marketing. Address: College of Agriculture, University of Missouri-Columbia, Aco. 65201.

GRIMES, DR. JAMES L(ARRY), b. Kansas City, Mo, Dec. 4, 42; m. 65; c. 2. ANTHROPOLOGY, LINGUISTICS. B.A, Wheaton Col.(III), 64; summer, Oklahoma, 64; M.A, Texas, Austin, 67; cles, 67:68 & summer 68, Ph.D. (Ing), 69. Res. asst. contemporary Guatemala studies, Inst. Latin Am, Texas, Austin, 65-67; ASST. PROP. ANTHROP. & LING, SOUTHERN LLINOIS, 69-Ling. Soc. Am; Anthrop. Asn. Phonological, grammatical and semantic structures in modern Mayan language; shistorical relationships between Mayan languages and other Amerindian language; social organization of contemporary rural Guatemalia. Publ. The linguistic unity of Cakchiquel-

- Tzutujil, 4/68, The palatalized velar stop in Proto-Quichean, 1/69 & The phonological history of the Quichean languages, (in press), Int. J. Am. Ling Address: Dept. of Anthropology, Southern Illinois University, Carbondale, Ill. 62901.
- GRIMES, DR. JOSEPH EVANS. Linguistics. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.
- GRIMES, DR. WALTER FRANCIS, b. Galeton, Pa, May 22, 30; m. 63; c. 2. SOCIOLOGY. B.S, Mansfield State Col, 52; Henry Strong Dennison fel, Cornell, 58, Ms., 59, Ph.D. (rural sociol), 63. Sr. technician, Sylvania Elec. Prod, Inc, 52-57; res. assoc. sociol of health, Cornell, 59, med. sociol, bus. sch, 62-63; grad. sch. pub. health, Pittsburgh, 63-65, asst. prof. sociol, univ, 64-65; res. assoc. med. sociol, sch. pub. health, Michigan, 65-67; lectr. SOCIOL, Eastern Michigan, 67; ASSOC. PROF, MANSFIELD STATE COL, 67-Participant, Nat. Sci. Found. Summer Inst. Mass Polit. Commun, Ohio-Univ, 70. Sociol. Asn. Political sociology; sociological theory, particularly sociology of knowledge; social psychiatry; urban and medical sociology. Publ: Co-auth, Study of public health careers: some characteristics of industrial physicians, J. Occup. Med., 366. Address: Dept. of Sociology, Mansfield State College, Mansfield, Pa. 16933.
- GRIMSHAW, PROF. ALLEN D(AY). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. sociol, Indiana, Bloomington, 69-, no longer dir. inst. comp. sociol. Address: Dept. of Sociology, Indiana University, Bloomington, Ind. 47401.
- GRIMSLEY, DR. DOUGLAS L. Physiological Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 68-, Dept. of Psychology, University of Southern Mississippi, Hattiesburg, Miss. 39401.
- GRNNELL, DR. SHERMAN K, b. Olympia, Wash, Apr. 12, 30: m. 54: c. 4. ORGANIZATIONAL BEHAVIOR. B.S, Mass. Inst. Tech, 52, M.S, 54; Ph.D. (orgn. behav), Case Western Reserve, 67: Supvr. design, Mass. Inst. Tech, 52-56; asst. to v.pres. acad. affairs, Case Inst. Tech, 58-60, dir. acad. serv, 60-65, asst. to pres, 64-65, orgn. specialist, cybernetic systs, 65-67; ASSOC DIR. ENC. DESIGN, CASE WESTERN RESERVE, 88-, ASSOC PROF. ORGN. BEHAV, 69- Administr. to bd, Cleveland State Univ, 65; orgn. consult. 8 mem. cross-cultural ed. faculty on Peace Corps training projs. managed by Westinghouse & orgn. specialist on UNIDOS proj. plan for down-town transportation system, 66; co-coordinator, Downtown Agency Transportation Action & entrepreneur, New Learning Environ. Group, 68-; mgt. & training consult, 68- Mem, Inst. Appl. Behav. Sci., Nat. Training Lab. Interprofessional collaboration; socio technical systems development; educational systems; urban problem solving; organization development. Publ: Coauth, Toward an integrative process for urban problem solving. Proc. Symp. Eng. & City, 69; auth, Organization development—an introductory overview, Bus. Quart, winter 69 & The informal action group: one way to collaborate in a university, J. Appl. Behav. Sci., 69. Address: 860 Beechers Brook Rd, Cleveland, Ohio 44143.
- GRISSO, DR. J. THOMAS, b. Dayton, Ohio, Oct. 17, 42; m. 64. PSYCHOLOGY, B.A, Ashland Col, 64; M.A, Artizona, 66, Ph.D.(clin. psychol), 69. Psychol, intern, Conn. Valley Hosp, 67-68; ASST. PROF. CLIN. PSYCHOL. & CLIN. PSYCHOLOGIST, ASHLAND COL, 69. Psychol. Asn. Psychological testing; psychopathology; psychotherapy. Publ: Co-auth, Test interference in a Rorschach-WAIS sequence, J. Consult. Psychol, 67; auth, Verbal behavior and the action-thought dimension, J. Abnorm. Psychol, 70. Address: 313-C Hillerest Dr., Ashland, Ohio 44805.
- GRISWOLD, PROF. JOHN ALFRED. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Finance, School of Business, Florida State University, Tallahasee, Fla. 32306.
- GROFF, DR. WILLIAM HAROLD, b. Kinzers, Pa, Oct. 16, 30; m. 52; c. 2. SOCIOLOGY. A. B. Franklin & Marshall Col. 60; M.A. Connecticut, 62; Nat. Defense Ed. Act fel, Brown, 62-64, Nat. Inst. Ment. Health fel, 64-65, Ph.D. (sociol), 68. Instr. sociol, South Carolina, 65-67, ASST. PROF. 67-68; RURAL SOCIOL, CONNECTICUT, 68- U.S.N, 51-56. Sociol. Asn, Pop. Asn. Am. Population, urban and metropolitan growth; epidemiology; poverty in the North East. Publ: Co-auth, Tourist facilities along the Connecticut Turnpike, Col. Agr. Exp. Sta, Univ. Connecticut, 62. Address: Dept. of Rural Sociology, University of Connecticut, Storrs, Conn. 06268.
- GROHSMEYER, PROF. F(REDERICK) A(NDREW), JR. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir. East. Ind. Center & dean gen. studies div, 69-, Earlham College, Richmond, Ind. 47374.
- GROMAN, DR. WILLIAM D. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, Dept. of Psychology, Virginia Commonwealth University, Richmond, Va. 28220.
- GROMEN, PROF. RICHARD JOHN. British History. See Suppl. I to 5th ed, Dir. Am. Scholars.
- GROOM, DR. JOHN L(OUIS). Government. See 11th ed, Soc. & Behav. Vols, deceased
- GROSOF, PROF. ELLIOTT HOWARD. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 77 Nottingham Terr, Buffalo, N.Y.
- GROSS, DR. ANDREW CHARLES, b. Budapest, Hungary, Apr. 24, 35; U.S. citizen; m. 60; c. 2. ECONOMICS, MARKETING. B.S, Case Inst. Tech, 57; Nat. City Bank Cleveland scholar, Western Reserve, 61-82, M.B.A, 62; Battelle Mem. Inst. fel, Ohio State, 62-64, Ph.D. (econ), 68; Center Community Studies fel, Saskatchewan, 64-65. Assoc. engr., Ohio Edison Co, 57-60; staff engr., Sohio Pipe Line Co, 60-61; off. engr., Dept. Rwys, Painesvilo, 16-62; tech. officer, Dom. Bur. Statist, Oltava, 63. sast, hastr. Chick. Ohio State, 83-65; instr. econ. & mal. Johngh, 68-69; ASST. PFOR BUS. ADMIN, CLEVELAND STATE, 69- Fel, Case Inst. Tech, summer 68. Res. assoc.

- Predicasts, Inc, Cleveland, Ohio, 61-62, res. consult, 68- U.S.A, 59, Res, 59-69. Econ. Asin, Mkt. Asin; Indust. Rels. Res. Asin. Labor, manpower and managerial economics; economics of research and development; statistics; marketing research; industrial marketing; consumerism; educational administration; higher education; engineering economics and education. Publ: Small computers, Predicasts, 70; On engineering students and engineering economics and evacuation. The properties of the properties
- GROSS, PROF. BERTRAM M(YRON). Political Science, Business Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir, 68-, Center for Urban Studies, Wayne State University, Detroit, Mich. 48202.
- GROSS, CHARLES ROBERT. Industrial Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Personnel officer, dept. pub. health, Laguna Honda Hosp, City & County San Francisco, 69- Address: 3523 21st St, San Francisco, Calif. 94114.
- GROSS, PROF. FELIKS. Sociology. See A-K Vol, 11th ed. Soc. & Behav. Vols. New information: Men. doctoral faculty, grad. center, City Univ. N.Y. Address: Dept. of Sociology, Brooklyn College, Brooklyn, N.Y. 11210.
- AGMCSS: Dept. of Sociology, Brookyn College, Brookyn, N. F. 11210.

 GROSS, FRANK PETER, b. Nov. 3, 34; U.S. citizen. SPECIAL EDUCATION, EDUCATIONAL ADMINISTRATION. B.A. Ohio Wesleyan, 56; M.A. Ohio State, 57; summers, Kent State, Tolland, S. Teching, ass. Onio State, 57; summers, Kent State, Delaware Capt. Technologists of the State, S. Ohio State, 58; Delaware Capt. State, S. Ohio, 63-65; chief psychologist & admin. asst, DIV. SPEC. ED, OHIO STATE DEPT. ED, 65-66, ED. ADMINSTR, PUPIL ISRV, 66- Instr. Ohio Wesleyan, 59-63; Miami (Ohio), 63-65; grad. sch, Ohio State, 56. Founding pres, Delaware Speech & Hearing, 65-, Ohio Dept. Ed. rep. to exec. bd, 66-; Ohio State Dept. Ed. rep. & seev, Ohio Inter-univ. Coun. Trainers of Sch. Psychologists, 65- Coun. Except. Children; Nat. Asn. Sch. Psychologists; Nat. Asn. Pupil Personnel Administr. Publ.: History and development of school psychologists in negotiations: one viewpoint, J. Sch. Psycholo, summer 68; An analysis of the case loads of school psychologists, Psychol. in Schs, fall 68; plus others. Address: 186 Eldon Ave, Columbus, Ohio 43204.
- GROSS, PROF. JACK L(OUIS). Business Administration. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Prof. mkt. & acting dir. bur. econ. & bus. res, Temple. Address: Media Statistics, Inc, 509 Madison Ave, New York, N.Y. 10022.
- GROSS, DR. MORRIS B, b. Scranton, Pa, July 6, 28; m. 64; c. 5. PSYCHOL-OGY. A.B, Brooklyn Col, 49; M.A. & Ed.D. (psychol), Columbia, 66. Psychologist, Mt. Snait Hosp, 55-86; Jewsh Ed. Cmt, 56-66; ASST. PROF. PSYCHOL, LEHMAN COL, 66. Instr, Hofstra, 64-66. Psychol. Asn. Publ: Co-auth, Psychologist's casebook, Jewish Ed. Cmt, 61; auth, Learning readiness, Center Urban Ed, 67. Address: 128 W. Wainut St, Long Beach, N.Y. 11561.
- GROSS, DR. REUBEN H(ERMAN). Modern History, Social Sciences. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- GROSS. DR. RUTH B(RILL), b. Moorefield, W.Va., Feb. 9, 34; m. 53; c. 3. CLNICAL PSYCHOLOGY. B.S. West Virginia, 57, M.S., 58, Ph.D.(clin psychol), 55. Clin. counser, counseling center, Onlo State, 65-65, chmn. personal counseling div, 56-67; ASST. PROF. PSYCHLAT. & PSYCHOLI, CIN. CLNNATI, 57. Consult, Wesley Child Care Center, Cincinnati, Ohio, 65. Psychol. Asn. Adjustment problems of college students; ego and developmental psychology; creativity. Publ.: Co-auth, The structural approach in psychological testing, Pergamon, New York, (in press); auth, Role and responsibilities of the personal counselor in a university counseling service, J. Counseling Psycholic, St. Supportive therapy for the depressed college student, Psychother: Theory, Res., Practice, 68. Address: 1015 Redway Ave, Cincinnati, Ohio 45229.
- GROSSBERG, DR. STEPHEN. Mathematics, Psychology. See Suppl. V & VI to 11th ed, Phys. & Biol. Vols.
- GROSSCUP, DR. GORDON L(EONARD). Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Anthropology, Wayne State University, Detroit, Mich. 4802.
- GROSSE, PROF. ROBERT N(ATHAN). Economics. See A-K Vol., 11th ed, Soc. & Behav. Vols. New position & address: Prof. health planning, 68-, School of Public Health, University of Michigan, Ann Arbor, Mich. 48104.
- GROSSET, PROF. SERGE, b. Khabarovsk, U.S.S.R, Feb. 8, 20; U.S. citizen; m. 53; c. 1. ECONOMICS, DYTERNATIONAL BUSINESS. Baccalauréat, Aix-Marseille, 38; lic. bus, Geneva, 43, Dr.(econ), 51. Law clerk, Dupré & Meysson, Paris, 45-47; actuary, Helvetia S.A, Brussels, Belgium, 47-48; adj-secy, Swiss Mercantile Soc, Geneva Sect, 49-51; bus. mgr, Calorie S.A, Geneva, 51-54; PROF. INT. BUS, DUQUESNE, 54- Vis. assoc. prof. grad. sch. bus, California, Berkeley & lectr, sch. world bus, San Francisco State Col, 63-84; summers, res. asst, grad. sch. bus, Columbia, 59; Duquesne Univ-Fed. Govt. grant studies in East Africa, 61. Econ. Asn. Economic development; international business, particularly the multinational corporation. Publ.: L'organisation professionnelle dans le Canton de Genève, Georg & Cle, S.A, Geneva, 51 & Management: American and European styles, Wadsworth, 70; Reflections on entrepreneurship in Europe and America, Duquesne Rev, spring 69. Address: 22 W. Bruceton, Pittsburgh, Pa. 15236.
- GROSSMAN, DR. HERSCHEL IVAN, b. Philadelphia, Pa, Mar. 6, 39; m. 80; c. 2. ECONOMICS. B.A, Virginia, 60; B.Phil, Oxford, 62; Ph.D.(econ), Hop-

- kins, 65. Asst. prof. ECON, BROWN, 64-69, ASSOC. PROF, 69- Nat. Sci. Found, grant, 69- Econ. Asn; Finance Asn. Economic theory; monetary economics. Publ: Reserve base, reserve requirements, and the equilibrium rate of interest, Quart, J. Econ, 67; Expectations, transactions costs, and asset demands, J. Finance, 69; Theories of markets without recontracting, J. Econ. Theory, 70. Address: Dept. of Economics, Brown University, Providence, R.1, 02912.
- GROSSMAN, MORTON C. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Res. fel, develop. adv. serv, 66-, Center for International Affairs, Harvard University, 1737 Cambridge St, Cambridge, Mass. 02138.
- GROTA, DR. LEE J. Experimental Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- GROTELUESCHEN, DR. ARDEN, b. Columbus, Nebr, Mar. 21, 40; m. 62; c. 3. EDUCATIONAL PSYCHOLOGY. B.S. Concordia Teachers Col. (Nebr), 61; M.A., Minmesota, Minneapolta, 65; Ed.D. (ed. psychol.), Nebraska, Lincoln, 67. Instr. ed. psychol, Concordia Teachers Col. (Nebr), 62-63; res. assoc. adult ed., Nebraska, Lincoln, 64-66; Teachers Col., Columbia, 66-68; Natl. Ed. Res. fel, 68-69, ASST. PROF. ED. PSYCHOL, LLINOIS, URBANA, 69- Consult, Cmn. Col. Physics, 68; Biol. Sci. Curriculum Study, 69. Chmn, Adult Ed. Res. Coun, 69-70. Ed. Res. Asn. Adult learning and instruction. Publ: Co-auth, Analysis of the quick word test as an estimate of adult mental ability, J. Ed. Measurement, 67, Adult intelligence and learning ability, Adult Ed. (88 & Effects of differentially structured introductory materials and learning tasks on learning and transfer, Am. Ed. Res. J, 68. Address: 270 Education Bidg, University of Illinois, Urbana, III. 61801.
- GROTPETER, DR. JOHN JOSEPH, b. St. Louis, Mo. Nov. 30, 38; m. 67; c. 1. POLITICAL SCIENCE. B.S, St. Louis, 60; Woodrow Wilson Found. fel. & M.A, Duke, 61; Woodrow Wilson Found. & univ. fels. & Ph.D. (polit. sci), Mashington (St. Louis), 65. Instr. POLIT: SCI, ST. LOUIS COL. PHARM, 62-64, asst. prof, 64-68, ASSOC. PROF, 68-, CHMN. DIV. LIB. ARTS, 66- Instr, Webster Col. & St. Louis, 64- Polit. Sci. Asn; fel. African Studies Asn. African political development, especially in Southern African and particularly in Botswana, Lesotho and Swaziland. Address: 7560 Stanford, St. Louis, Mo. 63130.
- GROVE, DR. DAVID, b. Youngstown, Ohio, Oct. 17, 35; m. 57; c. 3. ANTHRO-POLOGY. A.B. California, Los Angeles, 58, M.A., 65, Ph.D. (anthrop), 68. ASST, PROF, ANTHROP, STATE UNIV. N.Y. BINGHAMTON, 68. State Univ. N.Y. F. S. (1815), 68-70. Am. Anthrop. Asn; Soc. Am. Archaeol; Mex. Anthrop. Soc. Mesoamerican culture history, emphasis upon civilization and its development; Olmec culture in central Mexico. Publ; The Olmec cave paintings of Oxtotitlation Cave, Guerrero: studies in pre-Columbian art and archaeology, Dumbarton Oaks Res. Library & Collection, Wash, 70; Chalcatzingo, Morelos, Mexico: a re-appraisal of the Olmer rock carvings, Am. Antiq, Vol. 33, No. 4; The pre-classic Olmec in central Mexico: site distribution and inferences, In: Dumbarton Oaks conference on the Olmec, Dumbarton Oaks Res. Library & Collection, 68. Address: Dept. of Anthropology, State University of New York at Binghamton, Binghamton, N.Y. 13901.
- GROVE, DR. ROBERT D(UNKLE). Statistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 69. Address: 2526 Pinoak Lane, Reston, Va. 22070.
- GROVE, DR. WILLIAM R(ICHARD). Clinical Psychology. See A-K Vol, 11th ed, Soc. & Béhav. Vols. New information: Retired, 68. Address: 1635 W. Main St, Wytheville, Va. 24382.
- GROVES, PROF. HAROLD M(ARTIN). Economics. See 11th ed, Soc. & Behav. Vols, deceased 69.
- GRUB, DR. PHILLIP DONALD, b. Medical Lake, Wash, Aug. 8, 31. INTERNATIONAL ECONOMICS, BUSINESS ADMINISTRATION. B.A. (econ) & B.A. (bus. ed), East. Wash. State Col., 53; M.B.A., George Washington, 60, Scatish Rite Found. & Am. Security & Trust Co. Ieis, 60-64, Ph.D. (inf. trade), 64. Dir. pub. info, Idi, U.S. Army, Far East, 54-56; chmn. dept. bus. ed, Twisp Sr. High Sch, 56-58; Mead Sr. High Sch, 56-59; vis. prof., East. Wash. State Col., 60-62; pres, Phillip Grub Assocs, 60-64; ASSOC. PROF. BUS. ADMIN, GEORGE WASHINGTON, 644, CHMN. DEPT, 68-, dir. prog. int. bus, 64-68. Summers, mem, N.Y. Univ. Workshop. Int. Bus, 65, fel, Found. on the Hudson, 66. Mem, Pres. Nat. Export Expansion Coun, 70. U.S.A, 54-56, Sgt. Acad. Mgt, Mgt. Asn; Econ. Asn; Asn. Ed. Int. Bus, (treas, 68-). Managerial and executive leadership and development; international transfer of management skills. Publ: Co-auth, Executive leadership: the art of successfully managing resources, MDI Publ, 99, American—East European trade, Nat. Press, Inc, 69 & Changing patterns in the industrial development of Venezuela: the personal care and pharmaceutical industries (2 parts), J. Develop. Areas, 69. Address: Dept. of Business Administration, George Washington University, Washington, D.C. 20006.
- GRUBER, DR. LESLIE, b. Winnipeg, Man, Aug. 5, 25; m. 65. SPEECH PATHOLOGY, PSYCHOLOGY. B.S. Western Michigan, 54; M.A. Southern Mississippi, 56; David Ross grant & Ph.D. (ment. retardation), Purdue, 65. Speech correctionist, Evansville Rehab. Center, 56-57; Evansville Pub. Sch. Corp., 57-61; ASSOC. PROF. SPEECH PATH, CENTRAL MICHIGAN, 58-speech & Hearing Asn, Asn. Ment. Deficiency; Com. Except. Children. Stuttering, mental retardation. Publ: Co-auth, A case book in stuttering, Harper, 57; Auditory perceptual abilities of institutionalized mentally retarded children, 1966, Am. J. Ment. Deficiency. Address: Dept. of Speech, Central Michigan University, Mt. Pleasant, Mich. 48858.
- GRUBERG, DR. MARTIN. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also Chum, 69-, Dept. of Political Science, Wisconsin State University, Oshkosh, Wis. 54901.

- GRUEN, EDWARD D(IETRICH). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chief econ. statist. br, Foreign Trade Division. Bureau of the Census, Federal Office Bldg. 4, Room 2220, Washington, D.C. 20233.
- GRUEN, DR. GERALD ELMER, b. Granite City, Ill., July 19, 37; m. 60; c. 2. PSYCHOLOGY. A.B. Southern Illinois, 59; M.A., Illinois, 63, Ph.D. (clin. psychol), 64. Psychometrician, counseling & testing center, Sauthern II. linois, 59-60; teaching asst, dept. ed, Illinois, 60-61, res. asst, deter signation, 64; 64; 64; 64; 64; Merze Fara, Develop. Psychol, Clark Univ. & Worcester State Hosp, Mass, 64-66; asst. prof. PSYCHOL, PURDUE, 66-69, ASSOC. PROF. 69- U.S. Off. Ed. grants, 68-71. Consult, Regional Off. Vet. Admin, Indianapolis, Ind, N. Newton Community Sch. Corp. & Voc. Rehab. Off, Lafayette, 68- AAS, Psychol. Asr, Soc. Res. Child Develop. Developmental psychology, especially cognitive development; effects of motivational factors on cognitive performance. Publi: Experiences affecting the development of number conservation in children, 65 & Note on conservation: methodological and definitional considerations, 66, Child Develop, Expectancy of success and the probability learning of middle and lower-class children, Develop. Psychol, 68. Address: Dept. of Psychology, Purdue University, Lafayette, Ind. 47907.
- GRUEN, DR. RICHARD E, b. Lehighton, Pa, Apr. 8, 30; m. 55; c. 1. PSY-CHOLOGY. B.A, N.Y. Univ, 51, M.A, 56, Ph.D. (psychol), 63. Counsr, N.Y. State Employment Serv, 55-56; counsr, teacher & adminstr, New York City Bd. Ed, 56-58; instr. soc. sci. group, specialized counseling prog, dept. stud. serv, Brooklyn Col, 58-63, asst. prof. soc. sci. group & ed. & deputy coordinator specialized counseling, 64-67; asst. prof. spechol, Hunter Col, 63-64; dir. counseling, div. counseling & student develop, YORK COL. (N.Y), 67-68, ASSOC. PROF. PSYCHOL. & ASSOC. DEAN DIV. COUNSELING & STUDENT DEVELOP, 68- Vis. asst. prof, N.Y. Univ, 36-68, ad), assoc. prof, 68-70; lectr, Higher Ed. Exec. Assocs, 68-69. U.S.A, 52-54. Psychol. Asn, Personnel & Guid. Asn, Asn. Counsr. Ed. & Supv; Nat. Voc. Guid. Asn, Asn. Measurement & Eval. Guid. Counseling, clinical & social psychology; psychotherapy. Publ: Co-auth, Professional preparation for college placement, J. Col. Placement, 1/66; 2 chaps, In: The counseling of college students, Free Press, 68. Address: Apt. 134, 4 Washington Square Village, New York, N.Y. 10012.
- GRUENBERG, DR. GLADYS W(ALLEMAN). Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. econ, St. Louis, 69-Address: 801 Jackson St, St. Louis, Mo. 63130.
- GRUHN, DR. ISEBILL V. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof. polit, 69-, Stevenson College, University of California, Santa Cruz, Calif. 95060.
- GRUHN, DR. RUTH, b. San Francisco, Calif, Sept. 20, 35; m. 61; c. 1. AN-THROPOLOGY. B.A, Radcliffe Col, 57, Ph.D.(anthrop), 61; Inst. Archaeol, London, 61-63. Sessional lectr. ANTHROP, ALBERTA, 63-65, asst. prof. 65-69, ASSOC. PROF, 69- Nat. Sci. Found. fel, 61-83; Can. Coun. leave fel, 69-70. Fel. Am. Anthrop. Asn; Soc. Am. Archaeol; fel. Royal Anthrop. Inst. Gt. Brit. & Ireland. Archaeology and ethnology of Middle America and South America; environmental archaeology Pleistocene geology; language and culture. Publ: The archaeology of Wilson Butte Cave, Idaho, Occasional Papers of Idaho State Univ. Mus, 61. Address: Dept. of Anthropology, University of Alberta, Edmonton, Alta, Can.
- GRUNBERG, PROF. EMILE. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: No longer head, Dept. of Economics, University of Akron, Akron, Ohio 44304.
- GRUNDEN, DR. LEE R(OBERT). Neuropharmacology, Behavioral Pharmacology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- GRUNDVIG, DR. JOHN LANCE. Physiological & Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chief psychol. & psyrhol. res, 70-, Veterans Administration Hospital, Knoxville, Iowa 50138.
- GRUNDY, DR. KENNETH WILLIAM, b. Philadelphia, Pa, Aug. 6, 36; m. 60; c. 2. POLITICAL SCIENCE. B.A. Ursinus Coi, 58; Nat. Defense Ed. Act fel. Pa. State, 61, Ph.D. (polit. sci), 63. Asst. prof. POLIT. SCI, San Fernando Valley State Coi, 63-66; ASSOC. PROF, CASE WEST. RESERVE, 66-ROCKefeller grant & vis. sr. lectr, Makerere Univ. Col, Univ. East Africa. 67-68; summers, vis. asst. prof. Pa. State, 65, lectr. Am. Studies Seminar, Falkenstein & Taunus, Germany, 68. Polit. Sci. Ass. fel. African Studies Asn. African political systems, especially ideologies and international affairs. Publ. Co-auth, African socialism, Stanford, 64 & African political thought, Univ. Denver, 68; auth, Conflicting images of the military in Africa. East African Publ. House, 68. Address: Dept. of Political Science, Case Western Reserve University, University Circle, Cleveland, Ohio 44106.
- GRUNEWALD, DR. DONALD. Business Administration. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: V.pres. & dean. col. liberal arts & sci, 69-, Suffolk University, 41 Temple St, Boston, Mass. 02114.
- GRUNZKE, COL. MARVIN E, U.S.A.F. Comparative Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dep. chief personnel res. & anal. div, Hq, U.S. Air Force, 69- Address; 8818 Skokie Lane, Vienna, Va. 22180.
- GUBA, DR. EGON G(OTTHOLD). Educational Research. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also assoc. dean sch. ed, Indiana. Bloomingfon, 68- Address: 825 E. Eighth St., Bloomington, Ind. 47401.
- GUE, DR. RONALD L(EE). Operations Research. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Pres. & chmn. bd, 70-, Medicus Corp, 1104 Expressway Tower, Dallas, Tex. 75206.
- GUEDRY, DR. LEO JOSEPH, b. Morganza, La, Nov. 2, 40; m. 64; c. 2. AGRICULTURAL ECONOMICS. B.S. La. State, 63; M.S. Illinois, 65; Ph.D.

- (agr. econ), Oregon State, 70. Asst. agr. econ, Oregon State, 67-69; ASST. PROF. AGR. ECON. & AGRIBUS, LA. STATE, BATON ROUGE, 69- Agr. Econ. Asn. Resource economics; outdoor recreation. Publ: Coauth, Spatial structure of the feed grain economy, Exp. Sta, Univ. Illinois, 65 & Sociological characteristics in the demand for outdoor recreation, Tech. Cmt, West. Agr. Econ. Res. Coun, 68. Address: Dept. of Agricultural Economics & Agribusiness, Louisiana State University, Baton Rouge, La. 70803.
- GUERIN, PROF. JOSEPH R, b. Philadelphia, Pa, Jan. 28, 26; m. 51; c. 7. ECONOMICS. B.A, La Salle Col, 48; M.A, Fordham, 50; Ph.D. (econ), Pennsylvania, 60. Instr. ECON, Dayton, 49-52; St. Joseph's Col. (Pa), 52-55; PROF, ST. JOSEPH'S COL. (PA), 56- Summers, Ford Found, fel, Faculty Res. Seminar, 64; State Dept. specialist grant to lect. in Guatemala, 65. U.S.A.A.F, 44-46. Econ. Asn. Food marketing institutions in developing economies; quality of product pub. Finance, 60; Limitations of supermarkets in Spain, J. Mkt, 64; New food-marketing institutions in an underdeveloped economy, Food Res. Inst. Studies, 65. Address: 2419 Bryn Mawr Ave, Ardmore, Pa. 19003.
- GUERTIN, PROF. WILSON H(OWLAND). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof, 68-, College of Education, University of Florida, Gainesville, Fla. 32601.
- GUEST, PROF. ROBERT H(ENRY). Industrial Sociology. See A-K Vol, 11th ed, Soc. & Behav, Vols. Correction: Prof. bus. admin, Amos Tuck Sch, Dartmouth Col, 60-66, prof. orgn. behav, 66- Address: & Barrett Rd, Hanover, N.H. 03755.
- GUFFEY, PROF. LOREN, b. Mt. Pulaski, Ill, Apr. 9, 36; m. 61; c. 2. ECO-NOMICS. B.S, Tulsa, 61; M.A, Arkansas, 63, Ph.D. (bus. econ), 66. Asst. prof. econ. & bus, Drury Col, 64-65; assoc. prof. ECON, STATE COL. ARK, 65-70, PROF, 70. Summers, Gen. Elec. fel, seminar appl. econ, Univ. Chicago, 66, Nat. Sci. Found. fel, inst. col. teachers econ, Univ. South Carolina, 70. Mem, Ark. Planning Cmn, summer 66; pub. adv. cmt, Center Leisure Sci, 69. U.S.A. F, 54-56. Econ. Asn. Address: Dept. of Economics, State College of Arkansas, Conway, Ark. 72032.
- GUILLIAMS, DR. CLARK I(RVIN). Psychology. See A-K Vol., 11th ed, Soc. & Behav. Vols. New information: Also head, 70-, Dept. of Psychology, Missouri Southern State College, Joplin, Mo. 64801.
- GUINAN, SISTER ST. MICHAEL, O.S.U, b. Mt. Carmel, Ont, Jan. 1, 04. PSY-CHOLOGY. B.A, Western Ontario, 23; M.A, Catholic Univ, 37; Nat. Res. Coun. fel, Laval, 46-49, lie, 48, Ph.D. (bysychol, philos), 49. From lectr. to prof., philos. & psychol, Brescia Col, Western Ontario, 38-68, head dept, 49-68; EXEC. OFFICER & RESS_ARCHER, DPT. SOC. & FAMILY SERV, 68-Can. Coun. summer res. grant, Widener Library, Harvard, 63, 64 & 65. Mem, Ont. Govt. Interdept. Adv. Cmt. Aging, 67; London Coun. Adult Ed, 68-Can. Psychol. Asn, Can. Polit. Sci. Asn; Can. Asn. Adult Ed; Can. Philos. Asn; Can. Welfare Coun; Interam. Psychol. Asn. Existential and social philosophy; aesthetics; developmental psychology; aging. Publ: Existential andlyst and the human condition, Proc. Am. Cath. Philos. Asn; Roman Catholic women's communities, In: Encyclopedia Canadiana. Address: Office on Aging, Dept. of Social and Family Services, Fifth Floor, Hepburn Bidg, Parliament Bidgs, Toronto 5, Ont, Can.
- GUIORA, DR. ALEXANDER Z(EEV). Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 70-, Dept. of Psychiatry, University of Michigan, Ann Arbor, Mich. 48104.
- GUITHER, DR. HAROLD DANIEL, b. Walnut, Ill, June 16, 27; m. 53; c. 3. AGRICULTURAL ECONOMICS. B.S., Illinois, Urbana-Champaign, 49, M.S. 50, Ph.D. (agr. econ), 62; Washington (St. Louis), 51. Agr. economist, Donae Agr. Serv, Inc, 50-56; asst. prof, agr. exten, ILLINOIS, URBANA, 56-62, ASSOC. PROF, 62-66, AGR. ECON, INIV., 66- Chef party, Luni Illinois-Agency Int. Develop. Contract in Jordan, 64-66, assoc. proj. leader, Cmt. Inst. Coop-Agency Int. Develop, Rural Develop, Res. Proj. 66-68. Agr. commun. award, Am. Asn. Agr. Col. Ed, 61. U.S.N.R, 45-46. Agr. Econ. Asn. Agricultural communications; institution building in rural and economic development; agricultural policy and public affairs. Publ: Co-auth, Mission overseas, Univ. Illinois, 69; auth, Factors influencing farmer's decisions to leave farming, J. Farm Econ, 63 & Direct payments: an increasing proportion of farm income and changing geographic distribution, Am. J. Agr. Econ, 69. Address: 613 Harding Dr, Urbana, Ill. 61801.
- GUJARATI, DR. DAMODAR N. b. Poona, India, Dec. 12, 36; m. 65; c. 2. QUANTITATIVE ECONOMICS. M. Comm. Bombay, 60; M. B. A. Chicago, 63, Ph.D. (econ), 65. Lectr. econ, BARUCH COL, 65.68, ASSOC. PROF. ECON. & ECONOMET, 68- Econometric research in employment, productivity and production functions. Publ: The economics of Davis-Bacon Act, J. Bus, 7/67; Cyclical behavior of help-wanted index and unemployment rate, Rev. Econ. & Statist, 11/69; Labor's share in U.S. industries, Indust. & Labor Rels. Rev, 11/69. Address: Dept. of Economics, Baruch College, 17 Lexington Ave, New York, N.Y. 10010.
- GULATI, DR. UMESH C, b. Pakistan, Sept. 27, 33; m. 63; c. 2. ECONOMICS. B.A. (Hons), Delhi, 54, M.A., 56; Earhart Found. fel. & Ph.D.(econ), Virginia, 69. Econ. investr, Ministry of Commerce & Finance, Govt. India, 56-64; exten. instr, ECON, Virginia, 66-67, instr, summer 67; ASSOC. PROF, EAST CAROLINA, 67- Econ. Asn. Economic policy and development in India; scarcity of capital and interest rates in underdeveloped countries, especially India. Address: Dept. of Economics, East Carolina University, Greenville, N.C. 27634.
- GULLAHORN, DR. JEANNE E(RARD). Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. psychol, Mich. State, 69- Address: 313 E. Brookfield Dr. East Lansing, Mich. 48623.
- GULUTSAN, DR. METRO, b. Buchanan, Sask, Nov. 25, 25; m. 47; c. 3. ED-UCATIONAL PSYCHOLOGY. B.A, Saskatchewan, 47, B.Ed, 52; Ph.D.(ed.

- psychol), California, Berkeley, 82. Teacher, pub. schs, Sask, 43-48; ed. psychologist, Govt. Sask, 49-60; Instr. ED. PSYCHOL, British Columbia, 80-62; asst. prof. ALBERTA, 82-84, ASSOC. PROF, 84-Can. Coun. fel, 68-69. Can. Psychol. Asn, Can. Int. & Comp. Ed. Soc. International comparative psychology of education, particularly Soviet and East European; human learning and development. Publ.: Some effects of mental health instruction, 65 & Jean Piaget in Soviet psychology, 67, Alta. J. Ed. Res; Recent trends in Soviet educational psychology, Can. Psychologist, 67. Address: Dept. of Educational Psychology, University of Alberta, Edmonton, Alta, Can.
- GUMPERZ, PROF. J(ONN) J(OSEPH), b. Hattingen, Germany, Jan. 9, 22; nat; m. 60; c. 2. ANTHROPOLOGY, LINGUISTICS. A. B. Cincinnati, 48; M.A. Michigan, 49, Ph.D. (Germanic ling), 54. Res. assoc. ling, Cornell, 52-53, instr., 53-54; Ford Found. fel, India, 54-58; Instr. Hindi, CALIFORNIA, BERKELEY, 56-57, asst. prof. S. Asian Lang, 57-61, assoc. prof. S. Asian lang, 64 ling, 61-65, PROF. ANTHROP. & CHMN. CENTER SOUTH & SOUTH-EAST ASIA STUDIES, 67-Nat. Sci. Found. fel, 62-63. Summer vis. prof. Deccan Col., 57, Ling. Inst. Am, Indiana, Bloomington, 64. Ling. Soc. Am; fel. Anthrop. Soc.; Ass. Asian Studies. Sociolinguistics and anthropological linguistics; applied linguists; Hindi and other South Asian languages. Publ: Co-ed. Linguistic diversity in South Asia, Indiana Univ., 60; co-auth, Conversational Hindi-Urdu, Univ. California, 62-63; co-ed, The ethnography of communication, Am. Anthropologist, 64. Address: Dept. of Anthropology, University of California, Berkeley, Calif. 94720.
- GUNLICKS, DR. ARTHUR B. Political Science. See A.K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof. 68-, Dept. of Political Science, University of Richmond, Val. 23173.
- GUNN, PROF. H(AROLD) D(ALE). Cultural Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. anthrop. & hist, Lincoln (Pa), 69- Address: P.O. Box 22, Lincoln University, Pa. 19352.
- GUNN, DR. WALTER J. b. Harrison, N.J. Dec. 9, 35; m. 6)c. 2. EXPERI-MENTAL PSYCHOLOGY, ELECTRONIC ENGINEERING. BS, U.S. Merchant Marine Acad. 59; Newark Col. Eng. 61-62; Fairleigh Dickenson, 61-62; Stevens Inst. Tech. 62-65; M.A. Louisville, 67, Ph.D. (exp. psychol), 69 asst. proj. engr. Bendix Corp. N.J. 60-63; electronic instrumentation engr. Feldman Res. Lab, Picatinny Arsenal, 63-65; med. res. lab, U.S. Army, Ky, 65-67, res. scientist, human resources res. unit. 67-69; asst. prof. speech & hearing, Cincinnati, 69-70; ASSOC. RESEARCHER, SCH. PUB. HEALTH & ADMIN. MED. COLUMBIA, 70- Electronic consult. engr. Lamount Geol. Observ, 60-61; psychol. dept, Univ. Louisville, 65-69; Cincinnati, 68-69. U.S.N.R, 56-68. Auditory processes; psychoacoustics; research audiology; middle ear reflex; psychological and physiological effects of sound. Publ: Co-auth, Correlation of performance in detecting visual and auditory signals, Am. J. Psychol, 6/67, auth, Effects of attending to auditory signals on the magnitude of the acoustic reflex, U.S. Army Med. Res. Lab, Pt. Knox, Ky, 9/67. Address: 128 Ft. Washington Ave, Apt. 6K, New York, N.Y. 10032.
- GUNNERSON, DR. JAMES H(OWARD). Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. anthrop, Northern Illinois, 70-, dir. anthrop, labs, 69- Address: Dept. of Anthropology, Northern Illinois University, De Kalb, Ill. 60115.
- GUNNISON, DR. HUGH, JR, b. Mt. Kisco, N.Y, Nov. 26, 29; m. 52; c. 2. COUNSELING, EDUCATIONAL PSYCHOLOGY. B.A, St. Lawrence, 52, M.Ed, 59; Ed.D.(counseling), Syracuse, 64. Teacher, LaFargeville Cent. Sch, 57-60; asst. prof. psychol, Onondaga Community Col, 63-64; lectr. counseling, Syracuse, 64-65; ASSOC, PROF. ED, 57: LAWRENCE, 65-Hosp. C, U.S.C.G, 52-56. Psychol. Asn; Personnel & Guid. Asn. Psychological health, human potential through education, counseling and group procedures. Publ. Hypotheses regarding psychological health and social philosophies, J. Humanistic Psychol, spring 67. Address: 11 Harrison St, Canton, N.Y. 13617.
- CUPTA, DR. ANAND PRAKASH, b. Baghpat, India, July 8, 37; m. 66. ECO-NOMICS, FINANCE. B.Com, Agra, 57, M.Com, 59; M.A, Florida, 63, Inst. Int. Ed. Develop. Iel, summer 67, Ph.D. Iceon), 68; guest scholar, Brookings Inst, summer 68. Asst. prof. commerce, S.D. Col, India, 59-62; econ, K.M. Col, Univ. Delhi, 64-65; bus. economist, Hindustan Motors Ltd, 65-66; assoc. prof. ECON, PIKEVIILLE COL, 68-68; chmn. dept. econ, 69-70, CHMN. DIV. SOC. SCI, 70. Participant, U.S. Dept. Health, Ed. & Welfare Admin. Develop. Prog., 69. Econ. consult, Indian Chamber of Commerce, spring 66; tax consult, Pikeville Model City Prog., spring 69; consult, Dept. Revenue, Commonwealth of Ky, 70. Econ. Asn; Finance Asn; Nat. Asn. Bus. Econ; Nat. Tax Asn; Tax Inst. Am; Can. Tax Found. Corporate income taxation in India with special reference to the tax rate structure and tax incentive schemes. Publ: Macro-economic approach to transport planning in India, 12/64 & co-auth, Corporate dividend policy in India, 1956-65, 366, Indian J. Commerce. Address: Division of Social Science, Pikeville College, Pikeville, Ky, 41501.
- GUPTA, DR. ARJUN KUMAR. Mathematical Statistics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- GUPTA, DR. CHAITAN PRAKASH. Mathematics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- GUPTA, DR. MANAK C, b. Abu Road, India, Aug. 7, 32; m. 64; c. 2. FI-NANCE. B.A, Agra, 53; M.A, Allahabad, 55; Hallman Iel. & M.B.A, California, Los Angeles, 68. Bley-Stein Mem. Iel. & Ph.D. (finance), 67. ASST. PROF. commerce, Jodhpur, 62-65; FINANCE, Pa. State, 67-69; STATE UNIV. N.Y. BUFFALO, 69- Finance Asn. Economics; quantitative methods Publ: Elements of portfolio theory and investments, D.H. Mark & Co, 69. The effect of size, growth, and industry on the financial structure of manufacturing companies, J. Finance, 6/08. Address: 284 Crosby Hall, Esch
- GUPTA, DR. R. P., b. India, Apr. 1, 42; m. 64; c. 2 STATISTICS. B.S. Agra, 60, M.S, 62; Ph.D. (statist), Delhi, 65. Fel. STATIST, Delhi, 65.-66; ASST. PROF, Florida, 66-66; DALHOUSE, 68-Nat. Res. Coun. Can. grants, 68-

69, 69-70. Am. Statist. Asn; Can. Math. Cong; India Statist. Asn. Multivariate analysis; principal components analysis; derivation of Wishant and other distributions in complex cases. Address: Dept. of Mathematics, Dalhousie University, Halifax, N.S, Can.

GUPTA, DR. ROGER, b. India, Apr. 24, 17; m. 66; c. 3. ECONOMICS, FINANCE. B.A, Panjab, W. Pakistan, 41; M.A, Panjab, India, 52; M.B.A, N.Y.
Univ, 56; Ph.D. (econ), Maryland, 58. Mgr, The Times of India, 5eh; A. N.Y.
153; instr. econ, Bridgeport, 57-60; ASSOC. PROF. finance & mgt, Rochester
Inst. Tech, 60-64; finance, Eastern Michigan, 64-66; MGT. & FINANCE,
KENT STATE, 66- Econ. Asn. Business finance; macroeconomics; statistics; computer science. Publ: Electronic information processing 70 & Computer programming, 71, Macmillan; Foreign aid and trade of India, Rivista
Politica Econnica, 11/67. Address: Dept. of Management, Kent State University, Kent, Ohio 44240.

GUPTA, DR. SHIV K. b. Sonepat, India, Apr. 15, 27; m. 63; c. 3. MANAGE-MENT, OPERATIONS RESEARCH. B.A. Delhi, 47, M.A. 49; Ph.D. Joper. res), Case Inst. Tech, 60. Lectr. math, St. Stephens Col, Delhi, 49-52; sr. sc. cases of a set, of the form of the form of the following the follo

GUROWITZ, DR. EDWARD M(ARTIN). Physiological Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

GURR, DR. TED (ROBERT). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Political Science, Northwestern University, Evanston, III. 60201.

GURSSLIN, DR. ORVILLE R, b. Middleport, N.Y, Oct. 8, 26; m. 50; c. 1. SOCIOLOGY. B.A, Buffalo, 50, M.S.S, 52, Ph.D. (sociol), 61. Res. dir. SOCIOL, Buffalo Youth Bd, N.Y, 57-61; lectr, State Univ. N.Y. Buffalo, 61-62, asst. prof, 62-64; res. assoc. Voc. Guid. & Rehab. Serv. Cleveland, Ohio, 64-65; ASSOC. PROF. Comecticut, 68-67; OHIO, 67- Russel Sage Found. fel, 61-62; State Univ. N.Y. grant, summer 64. Helen L. DeRoy award, 60. U.S.A, 45-64. Sociol. Asn. Philos. Sci. Asn. Soc. Study Social Probs. Social stratification; criminology and delinquency; social pathology and industrial sociology. Publ: Co-auth, Social stratification in the United States, Prentice-Hall, 69, Social status and psychiatric service in a child guidance clinic, Am. Sociol. Rev. 2/58 & Some issues in training the unemployed, Soc. Probs, summer 64. Address: R.D. 1, Box 277, Guysville, Ohio 45735.

GUSTAD, PRES. JOHN W(ILBERT). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Pres, 68-, Fort Hays Kansas State College, Hays, Kans. 67601.

GUSTAV, PROF. ALICE. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. Dept. of Psychology, Monmouth College, West Long Branch, N.J. 07764.

GUSTAVUS, DR. SUSAN ORR, b. Ft. Monmouth, N.J. Apr. 15, 44; m. 68. SO-CIOLOGY. B.A. Fla. State, 65, M.S., 66, Nat. Defense Ed. Act fel, 66-68, Ph.D. (Sociol), 68. Instr. SOCIOL, Fla. State, 68-70; ASST. PROF, UTAH, 70-Consult, U.S. Nat. Center for Health Statist, summer 69. Pop. Asn. Am; Sociol. Asn. Demography, particularly fertility analysis. Publ: Coauth, Population: the dynamics of demographic change, Houghton, (in prep); The true educational attainment of the U.S. population: 1910-1960, 68 & The formation and stability of ideal family size among young people, 2/70, Demography. Address: Dept. of Sociology, University of Utah, Salt Lake City, Utah 84112.

GUTENBERG, PROF. ARTHUR W(ILLIAM). Business Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. mgt, grad. sch. bus. admin, Southern California, 69- Address: 1428 Santa Margarita, Arcadia, Calif. 91006.

GUTERMAN, DR. STANLEY S(ANFORD). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 69-, Dept. of Sociology, Rutgers, The State University, New Brunswick, N.J. 08903.

GUTH, PROF. WILLIAM D. b. St. Louis, Mo. Jan. 14, 33; m. 67. BUSINESS MANAGEMENT. B.S.B.A, Washington (St. Louis), 53; M.B.A, Indiana, 54; D.B.A, Harvard, 60. Asst, prof. BUS. POLICY, Harvard, 60-64, assoc, prof, 65-68; vis. prof, Carnegie-Mellon Univ, 64-65; PROF, COLUMBIA, 68-Lectr, Int. Bus. Mach. Corp., Gen. Elec. Co, Motorola, Inc, Olivetti Underwood Corp. & Univ. Bradford, 62-Consuit, Boise Cassade, Dyad Systs. Inc, Imp. Chem. Industs, Ltd. & Ford Found, 68-Soc. Pub. Admin; Sociol, Asn; Soc. Appl. Anthrop; Inst. Mgt. Sci; Acad. Mgt. Business policy: Publ; Co-auth, Business policy: text and cases, Irwin, rev. ed, 69; Personal values and corporate strategy, Harvard Bus. Rev, 5/65. Address: Commbia University, 105 Uris Hall, New York, N.Y. 10027.

GUTHRIE, PROF. GEORGE M(cRUER). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 514 Psychology Bldg, Pennsylvania State University, University Park, Pa. 16802.

GUTHRIE, DR. GERALD DAVID, b. Portland, Ore, Jan. 9, 40; m. 60; c. 2. PSYCHOLOGY. B.S, Lewis & Clark Col, 62; M.S, Clark, 64, Ph.D.(psychol), 66. ASST. PROF. PSYCHOL, Washington State, 67-69; PACIFIC UNIV, 69-Fel. child clin. psychol, med. center, Colorado, 66-67. Psychol. Asn. Cog-

nitive development and style. Publ; Co-auth, Subliminal perception or perception of partial-cue with pictorial stimuli, J. Personality & Soc. Psychol, Vol. 3, No. 6. Address; Dept. of Psychology, Pacific University, Forest Grove, Ore. 97116.

GUTHRIE, PROF. HAROLD W(OODSON). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Sr. researcher, 69-, Urban Institute, 2100 M St. N.W, Washington, D.C. 20037.

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GUTKIND, PROF. PETER C. W. Anthropology. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position: Prof, 69-, Dept. of Anthropology, McGill University, Montreal 2, Que, Can.

GUY, DR. MARJORIE. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, West Georgia College, Carrollton, Ga. 30117.

GUZMAN, DR. LOUIS E(NRRQUE). Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: U.S. Agency for international Development, American Consulate, Recife, Brazil, APO New York 09876.

GUZMAN-ARENAS, DR. ADOLFO. Computer Science, Electrical Engineering. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

GWALTNEY, DR. HENRY O(LIVER), JR. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: V.pres. prfnl. serv, Psychol. Consult, Inc, 69- Address: 1114 West Ave, Richmond, Va. 23220.

GWALTNEY, DR. JOHN L, b. Orange, N.J. Sept. 25, 28; m. 64; c. 2. AN-THROPOLOGY. B.A, Upsala Col, 52; John Hay Whitney fel. & M.A, New Sch. Soc. Res, 57; Nat. Insts. Health fel. & Ph.D. (anthrop), Columbia, 67. Lectr. current affairs, Henry George Sch. Soc. & Pollt. Sci, 56-59; ASSOC. PROF. ANTHROP, STATE UNIV. N.Y. COL. CORTLAND, 67. N.Y. State Joint Awards Coun-Univ. Awards Crut. fel. & grant in aid, 69. Participant, Am. Orthopsychiat. Asn. Conf., 69; seminar, Centre Int. Coop, Univ. Ottawa (Onl), 69. Fel. Anthrop. Asn; Ethnol. Soc; Soc. Appl. Anthrop. Race relations; stress studies; intermediate ethnicity; caste and caste-like political organization. Publ: The thrice shy, Columbia Univ, 70; The blind of San Pedro Yolox, Am. Scholar, winter 65-66. Address: Dept. of Sociology & Anthropology, State University of New York College at Cortland, Cortland, N.Y. 13045.

GWYN, PROF. WILLIAM B(RENT). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Dept. of Political Science, Tulane University, New Orleans, La. 70118.

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HAAS, PROF. JAMES ANTHONY. Philosophy. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos, Relig. & Law.

HAAS, DR. MICHAEL. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Correction in address: Dept. of Political Science, 2500 Campus Rd, University of Hawaii, Honolulu, Hawaii 96622.

HAAS, DR. RAYMOND M(ICHAEL). Marketing, Business Administration. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also asst. to pres, 69-, West Virginia University, 100 Administration Bldg, Morgantown, W.Va. 26506.

HABBE, DR. STEPHEN. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 69. Address: 38 Elgin St, Hamden, Conn. 06517.

HABEL, PROF. SAMUEL TILDEN, b. Natural Bridge, Va, Oct. 20, 08; m. 32; c. 2. SOCIOLOGY, PHILOSOPHY. B.A, Richmond, 27; Th.M. South. Theol. Sem, 30; Faculté Libre Théol. Protestante, Paris, France, 38; Ph.D., Edinburg, 45; North Carolina, 58. Minister, W.End Baptist Church, Suffolk, Va, 40-48; Univ. Baptist Church, Univ. North Carolina, 48-58; res. church hist, 54; assoc. prof. soc. psychol. Qa. South. Col., 58-52, prof. philos. 4: sociol. 62-64, men. grad. faculty. McARSHALL, 64- Vis. prof. Purdue, 54; Kanawaha Valley Grad. Center, West Virginia Univ, 68. Sociol. Asn. Religion,

- church history; social psychology and pathology; cultural anthropology; social theory; marriage and the family. Publ: Baptists at Chapel Hill, Univ. Church, Chapel Hill, N.C., 54; The twelve apostles, Creighton, 57; The social scientist and emergent norms: a demonstration of suggested potential roles, J. Proc. W.Ya. Acad. Sci., 67. Address: Dept. of Sociology, Marshall University, Huntington, W.Va. 25701.
- HABERER, DR. JOHN F(REDERICK). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. long range planning & orgn, Int. Bus. Mach. Can. Ltd, 69- Address: 285 St. Leonard's Ave, Toronto 12, Ont, Can.
- HABERLAND, DR. JOHN ANDREW. Clinical Psychology. See A. K Vol, 11th ed. Soc. & Behav. Vols. New position: Chief clin. psychologist, Orange County Med. Center, 69- Address: 1330 Victoria Dr., Apt. A, Fullerton, Calif. 92631.
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- HACK, GEORGE D(ONALD). Geography, Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. Dur. state planning & prog. 69-, Dept. of Community Affairs, Jefferson Bidg, Jefferson City, Mo. 65101.
- HACKLER, DR. JAMES C, b. Stockton, Calif, June 15, 30; m. 64. SOCI-OLOGY. B.S, California, 52; M.A, San Jose State Col, 59; Ph.D.(sociol), Washington (Seattle), 65. Teacher, M. Diablo Sch. Dist, Calif, 56-61; resc. dir, Opportunities for Youth, Seattle, Wash, 64-65; asst. prof. SOCIOL, AL-BERTA, 65-68, ASSOC. PROF, 68- Res. grants, Dept. Nat. Health & Welfare, Can, 67-69, Can. Coun, 68-69, 69-71. Bobbs-Merrill Award, 65. U.S.A. 1st Lt. Am. Sociol. Assi, Am. Soc. Study Social Probs; Can. Sociol. & Anthrop. Asn. Criminology; delinquency; deviant behavior: Publ: Boys, blisters, and behavior: the impact of a work program in an urban central area, J. Res. in Crime & Delinquency, 7/66; Predictors of deviant behavior: norms vs. the perceived anticipations of others, 5/68 & Systematic bias in measuring self.-reported delinquency, 5/69; Can. Rev. Sociol. & Anthrop. Address: Dept. of Sociology, University of Alberta, Edmontor 7, Alta, Can.
- HADDAN, DR. EUGENE E. Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Publ; Co-auth, Systematic application of psychology to education, Macmillan, 64 (title change). Address: Dept. of Education, Eastern Michigan University, Ypsilanti, Mich. 48197.
- HADDEN, DR. SAMUEL (BERNARD). Neuropsychiatry. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. assoc. prof. psychiat, Pennsylvania, 68- Address: 135 S. 19th St, Suite 504, Philadelphia, Pa. 19103.
- HADJIYANIS, DR. DEMOS PANAYI, b. Syngrassis, Cyprus, Dec. 1, 23; U.S. citizen; m. 58; c. 3. ECONOMICS. B.Sc, Okla. State, 53; M.Sc, Ohio, 54; Ph.D.(econ), Minnesota, 67. Asst. ECON, Minnesota, 54-56, instr. 56-60; asst. prof, St. Olaf Col, 60-65; COL. ST. THOMAS, 65-69, ASSOC. PROF, 69-Summers, Ford Found. faculty res. fel, Chicago, 64, Hill Found. grant, 68. Econ. Asn. Monetary and fiscal theory; comparative economics systems; international economics, history of economic analysis; international finance. Address: Dept. of Economics, College of St. Thomas, St. Paul, Minn. 55101.
- HADWIGER, DR. KEN E. Mass Communications, Communications Research. See 5th ed. Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- HAERTZEN, DR. CHARLES ANTHONY. Clinical Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address; 2386 Randolph Court, Lexington, Ky. 40503.
- HAFERBECKER, DR. GORDON M(ILTON). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1600 Brawley St, Stevens Point, Wis. 54481.
- HAFFAR, PROF. AHMAD R. Political Science. See A-K Vol, 11th ed, Soc & Behav. Vols. New position: Prof, Dept. of Political Science, State University of New York College at New Paltz, New Paltz, N.Y. 12561.
- HAFNER, DR. JAMES A(LLAN), b. Chicago, Ill, Dec. 2, 37; m. 65; c. 2. GE-OGRAPHY. A. B., Miami (Ohio), 63; M. A., Michigan, 65, Ph. D. (geog), 70.

 ASST. PROF. GEOG, MASSACHUSETTS, AMBERST, 69- U.S. A., 58-61. Asn. Am. Geog; Asn. Asian Studies. Demography, agriculture and economic development as related to traditional peasant economic and social systems in Southeast Asia, particularly Thailand and the Philippines. Publ: The Pathet Lao and change in the traditional economics of the Meo and Kha, Mich. Acad. Arts, Sci. & Letters, 65. Address: 234 Morrill Science Center, University of Massachusetts, Amherst, Mass. 01002.
- RAFNER, DR. LAWRENCE E, b. Alva, Okla, Jan. 1, 24; m. 52; c. 2. LAN-GUAGE ARTS, READING. B.S.Ed, Concordia Teachers Col, 51; M.Ed, Missouri, 56, D.Ed. (reading, psychol), 60. Teacher, parochial schs, Mo, 51-54; Ill, 54-56; Instr. psychol. & reading, Illinois State, 56-58; asst. hist. & philos. ed, Missouri-Columbia, 59-60; asst. prof. psychol. & reading & dirreading clin, Southears State Col, 60-62; asst. prof. psychol. & reading & dirreading. Conf. READING, Southern Illinois, 62-66; ASSOC. PROF, GEORGIA, 66- Dir, Nat. Defense Ed. Act. adv. inst. reading, Tackkiawa, Japan, summer 68. Co-ed. yearbooks, Nat. Reading Conf. 63-65, mem. bd. dirs, 67; ed. J. Reading Behay, 68- U.S.N.R, 24-45. Nat. Coun. Teachers of English. Reference and study skills; vocabulary-perception; linguistics. Publ. Improving reading in secondary schools, 67 & Teaching reading in elementary schools, 47 & Teaching, reading in secondary. Use of context in determining meanings in high school and college classes, In: What research says to the classroom teacher. J. Reading, 4/67. Address: Reading Dept, University of Georgia, Athens, Ga. 30601.

- HAGE, DR. JERALD. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. 68-, Dept. of Sociology, University of Wisconsin, Madison, Wis. 53706.
- HAGE, PROF. GEORGE S, b. Madelia, Minn, Nov. 4, 14; m. 49; c. 3. JOUR-NALISM, AMERICAN STUDIES. B.A, Minnesota, 38, M.A, 50, Ph.D. (Amstudies), 56. Instr. journalism, MINNESOTA, MINNEAPOLIS, 46-57, assoc. prof. 57-65, PROF. JOURNALISM & AM. STUDIES, 65- U.S.A. F, 42-46. Capt. Asr. Ed. in Journalism; Am. Studies Asn. Journalism history. Publ. Newspapers on the Minnesota frontier: 1849-1860, Minn. Hist. Soc. 67. Address: 3021 Fillmore N.E., Minneapolis, Minn. 54-186.
- HAGEBAK, DEAN BEAUMONT R, b. Starbuck, Minn, June 17, 36; m. 58; c. 3. COUNSELING PSYCHOLOGY. B.A, Northern Iowa, 60, M.A, 62; Ed.D. [psychol), Arizona State, 67. Counsr, Reinbeck Community Schs, Iowa, 61-63; practicum supyr. counseling psychol, Arizona State, 63-65; dir. counseling, Mankato State Col, 65-69; DEAN, NORTHLAND COL, 69-Consult, Tri County Community Action Coun, Minn, 68-69. U.S.A, 54-56, Sgt. Psychol. Asn; Personnel & Guid. Asn. Attitude and value measurement; personality traits. Publ: Co-auth, The dropout and social concern, Arizona State Univ. 64; auth, Adolescent moral attitudes, Midland Schools, 62. Address: Office of Student Affairs, Northland College, Ashland, Wis. 54806.
- HAGEDORN, DR. ROBERT (BRUCE). Sociology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Prof. sociol, 69-, Dept. of Anthropology & Sociology, University of Victoria, Victoria, B.C. Can.
- HAGEN, DR. JOHN W. Psychology. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69- Address: Dept. of Psychology, University of Michigan, 6625 Haven Hall, Ann Arbor, Mich. 48104.
- HAGEN, DR. JOHN W(ALTER), b. Reeder, N.Dak, Sept. 10, 30; m. 55; c. 3. AGRICULTURAL ECONOMICS. B.S., N.Dak, State, 53, M.S., 57; Ph.D.(agr. econ), Washington State, 68. County agent, N.Dak. Exten. Serv. 55-56; food mkt. specialist, N.C. State Col., 57-60; agr. economist, Washington State, 62-64; U.S. Dept. Agr., 65-69; ASST. PROF. MKT, FRESNO STATE COL., 69-U.S.A., 53-55, 1st Lt. Mkt. Asn; Agr. Econ. Asn. Marketing of food and agricultural commodities. Address: Fresno State College School of Agriculture, Fresno, Calif. 93726.
- HAGENAH, PROF. THEDA, b. Milwaukee, Wis, Apr. 9, 17. COUNSELING PSYCHOLOCY. A.B. George Washington, 37; M.S. Wellesley Col. 39: Ph.D. (ed. psychol), Minnesota, 53. Instr. phys. ed, 39-44, faculty mem, MINNE-SOTA, MINNEAPOLIS, 44-56, assoc. prof. ED. PSYCHOL, 56-61, PROF. 61-, DIR, STUDENT COUNSELING BUR, 69-, asst. dir, 47-69. Secy, Minn. Bd. Exam. of Psychologists, 65-68, chmn, 69-70. Psychol. Asn; Personnel & Guid. Asn; Nat. Voc. Guid. Asn; Nat. Asn. Women Deans & Counsr. Interest measurement. Publ: Co-auth, Vocational interest measurement, theory, and practice, Univ. Minnesota, 55 & Counseling and the use of tests, Student Counseling Bur, 62; auth, Testing in guidance and counseling, McGraw, 63. Address: Student Counseling Bureau, 101 Eddy Hall, University of Minnesota, Minneapolis, Minn. 55455.
- HAGENSICK, PROF. A. CLARKE. Public Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: On one year serv. in Bangkok. Thailand under Midwest Univ. Consortium for Int. Activities, 89-8-pp., 70. Address: Institute of Governmental Affairs, University of Wisconsin-Milwaukee, Wis. 53201.
- HAGUE, A. BARTLETT, JR, b. St. Louis, Mo, Oct. 1, 27; m. 62; c. 1. SO-CIOLOGY, BOTANY. B.A, Yale, 50; M.S, Michigan, 51, fel, 51-52, M.A, 54. Res. assl. conserv, sch. natural resources, Michigan, 52-53; soc. scientist, farm pop. & rural life br, U.S. Dept. Agr, 54-55; res. asst. planning, Off. Spec. Asst. to President for Pub. Works Planning, Exec. Off. President, D.C, 55-61; supvry. recreation planner, Nat. Park Serv, U.S. DEPT. INTERIOR, 61-62, recreation resource specialist, Bur. Outdoor Recreation, 62-67, planning & prog. grants officer, northeast region, FED. WATER POLLUTION CONTROL ADMIN, 67-68, CHIEF PLANNING, NEW ENG. BASINS OFF, 68-501 Conserv. Soc. Am; Sociol. Ass; Rural Sociol. Soc. Relation of land use patterns to environmental quality, especially water quality, open space, and urban amenities; organizational arrangements for regional environmental quality, particularly river basin commissions for water quality and land use regulation. Publ: Federal grants for acquisition of open space, Planning & Civic Comment, 9/61, Resolving conflicts in natural resources allocation, J. Soil & Water Conserv, 11-12/64. Address: 110 Roundwood Rd, Newton, Mass. 02164.
- HAHN, DR. DAVID ELLIOT, b. New London, Ohio, Jan. 20, 38; m. 67. AGRI-CULTURAL ECONOMICS, ECONOMICS. B.Sc, Ohio State, 60; M.S. Pa. State, 62, 58; Dh. Olagr. econ, Cornell, 68. Asst, Pa. State, 62, 63; Cornell, 63-67; ASST. PROF. AGR. ECON, OHIO STATE, 67- Instr., Mgt. Workshop for Dairy Processors, 69-70. Agr. Econ. Asn. Business management problems in the marketing and distribution of milk and dairy products. Publ. Co-auth, Investment decisions for greater profits, Univ. Massachusetts, 69; auth, A description of the lee cream manufacturing industry in New York (Bull), Cornell Univ, 8/66 & Adjusting federal milk order market areas, Ohio Agr. Res. & Develop. Center, 11/68. Address: College of Agriculture & Home Economies, Ohio State University, Columbus, Ohio 43210.
- HAHN, PROF. FRED. Political Science, History. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position: Prof. Trenton State Col, 69- Address: 780 West End Ave, New York, N.Y. 10025.
- HAHNER, DR. JUNE E(DITH). Latin American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- HAIKAL, DR. DENISE J(EANNE), b. France, Nov. 22, 10; U.S. citizen; m. 34; c. 1. BEHAYIORAL SCIENCES, LAW. LL.M, Sorbonne, 33; M.S.W, Howard, 52; Ph.D.(soc. psychol), London, 59. LaWyer, Nimes Court Appeals, France, 38-42; exec. dir. info. & pub. rels, French Lay Mission Paris, 43-49; UN

rep. Cmn. Human Rights, 49-51; ment. health consult, D.C. DEPT. PUB. HEALTH, 57-64, RES. SOCIOLOGIST, 65- Acad. Cert. Soc. Workers; Group Psychother. Asn; fel. Sociol. Asn. Medical sociology, organization, structures and institutions; personality development; behavioral dynamics; uses of therapeutic relationship; intergroup relations including interpretation of cultural factors. Publ: The health education aides: training and performance, 69 & Study of the missed dental appointments by maternal and infant care patients, 70, D.C. Pub. Health Dept; An experiment in mental health consultation with the public schools of the District of Columbia, Proc. Cong. Int. Ment. Health, 62. Address: 2231 California St. N.W. Apt. 303, Washington, D.C. 20008.

HAIMANN, PROF. THEO. Management Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Marie Louise Murray prof. mgt. sci, St. Louis, 69-7, New publ. Co-auth, Management in the modern organization, Houghton, 70, Address: Dept. of Business Administration, St. Louis University, St. Louis, Mo. 63103.

HAIMOWITZ, PROF. M(ORRIS) L(OEB). Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. soc. sci, Wright Col, 70-Address: 1101 Forest Ave, Evanston, Ill. 60202.

HAINLINE, DR. LYDIA JANE. Anthropology. See UNDERWOOD, DR. JANE HAINLINE, this Suppl.

HAINES, PROF. G(EORGE) H. Economic Statistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. Detroit Col. Bus. Address: 10844 La Salle Ave, Huntington Woods, Mich. 48070.

HAINSWORTH, DR. BRAD E, b. Salt Lake City, Utah, Oct. 27, 35; m. 56; c. 3. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B. A., Utah, 63, M.A. 66, cert. Mid. East studies, 68 & 66, Nat. Defense For. Lang, fel. & Ph.D. (polit, sci), 68. ASST. PROF. POLIT. SCI, MONTANA, 68- Consult, community planning & develop, Montana, 68- Polit. Sci. Asn. Application of anthropological and sociological concepts and tools to the problems of public actions, and the science of the problems of public and the problems of the problems of the problems of public and the problems of the problems of

HAINSWORTH, DR. PETER KEVIN, b. Toronto, Ont, Apr. 26, 30; m. 58; c. 2. PSYCHOLOGY. B.A. Toronto, 53, M.A., 54; Ph.D. (psychol), George Peabody Col, 62. PSYCHOLOGIST, Ont. Dept. Health, Kingston, 56-59; Bradley Hosp, Riverside, R.I., 62-65; MEETING ST. SCH. PROVIDENCE, R.I., 65-Proj. dir, U.S. Off. Econ. Opportunity grant, 68-69; Bur. Ed. for Handicapped grant for model center, 69-72. Psychol. Asn. Development of early identification and diagnostic tools; developmental stimulation and curriculum approaches for infants, preschoolers and elementary school children with psychoneurological and learning inefficiencies; behavioral disorganization. Publ: Co-auth, The early identification of children with learning disabilities, Crippled Children & Adults of R.I., 69. Address: Meeting Street School, 333 Grotto Ave, Providence, R.I. 02906.

HAITHCOX, DR. JOHN PATRICK. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New Information: Dir, Assoc. Col. Midwest Prog. in India, 69. New publ: M. N. Roy and comintern policy in India, Princeton, 70. Address: Dept. of Government & International Relations, Carleton College, Northfield, Minn. 55067.

HAJJAR, DR. SAMI G, b. Beirut, Lebanon, Oct. 31, 39; m. 65; c. 3. POLITI-CAL SCIENCE. B.A, American Univ. Beirut, 62, M.A, 63; grad. coun. fel, Wyoming, summer 68; Ph.D. (polit. sci), Missouri-Columbia, 69 lnstr. POLIT. SCI, WYOMING, 66-68, ASST. PROF, 66-, DIR. INT. STUDIES, 68-, chmn, int. affairs, 67-68, acting head polit. sci, 69-70. Bureaucratic rationality. Islamic political theory. Address: Dept. of Political Science, University of Wyoming, Laramie, Wyo. 82070.

HAKEEM, PROF. MICHAEL, b. Fall River, Mass, Sept. 5, 16; m. 49. SOCI-OLOGY. B.S., Ohio State, 42, M.A., 45, Ph.D.(sociol), 50. Instr. SOCIOL, 10wa, 46.47; Chio State, 48.51, asst. prof, 51-52; WISCONSIN, MADISON, 52-53, assoc. prof, 53-62, PROF, 62- Soc. Study Social Probs; Am. Sociol. Asn; Am. Soc. Criminol. Prediction of criminality; application of sociology to correctional methods. Publ: Readings in juvenile delinquency, Col. Printing, 68; Critique of psychiatric approach to crime and correction, Law & Contemporary Probs, 58 & Predicting parole outcome from case history summaries, J. Criminal Law, Criminol. & Police Sci., 61. Address: Dept. of Sociology, University of Wisconsin, Madison, Wis. 53706.

HAKEL, DR. MILTON D(ANIEL), JR, b. Hutchinson, Minn, Aug. 1, 41; m. 63; c. 2. PSYCHOLOGY. B.A, Minnesota, 63, Ph.D. (psychol), 66. ASST. PROF. PSYCHOL, Minnesota, 66-68; OHIO STATE, 68- Indust. fel, Marathon Oil Co, 69. Psychol. Asn. (James McKeen Cattell award, 65). Interpersonal perception; personnel classification and training; human motivation and personality. Address: Dept. of Psychology, Ohio State University, Columbus, Ohio 43210.

HALBERT, MICHAEL. Operations Analysis. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Pres, 68-, Philadelphia Group, Inc, 3508 Market St, Suite 202, Philadelphia, Pa. 19104.

HALCOMB, DR. CHARLES GROVER. Human Factors, Experimental Psychology. See A-K Vol., 11th ed, Soc. & Behav. Vols. New information: Also asst. chmn. dept. & dir. prog. exp. psychol, 69-, Dept. of Psychology, Texas Tech University, Lubbock, Tex. 79409.

HALDI, DR. JOHN. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 118 E. 60th, New York, N.Y. 10022.

HALE, ROSEMARY D, b. Brewster, N.Y. June 7, 18; m. 42; c. 3. ECONOM-ICS. A.B, Mt. Holyoke Col, 40; M.A. American Univ, 46. Economist, U.S. Dept. Agr, 41; U.S. War Dept, 41-65; LECTR. ECON, LAKE FOREST COL, 46- Am. Econ. Asn; Can. Econ. Asn; Royal Econ. Soc. Business organization and public policy; urban economics. Publ: Co-auth, Market power: size and shape under the Sherman Act, Little, 58, Expanding enterprise; geographical curbs on mergers, Minn. Law Rev, 4/87 & In aggravation of merger, Ind. Law J, winter 68. Address: 270 Butler Dr, Lake Forest, Ill. 60045.

HALEY, RUSSELL I(RVING). Marketing, Statistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Exec. v.pres, Grudin, Appel & Haley Res. Corp, 69- Address: 55 Orchard Dr. Greenwich, Conn. 6830.

HALFEN, DR. DAVID, b. Newark, N.J. July 23, 24; m. 48; c. 2. POLITICAL SCIENCE. B.S. Wisconsin, 48; dipl, Paris, 49, Ph.D. (French soc, polit. & lit. develop, 1889-1905), 54. Admin. asst. Atlas Constructors, Morocco, 52-53; asst. ed, Hart Pub. Co, 54-55, assoc. ed, 55-56, ed, 58-62; for. aflairs ed, Scholastic Mag, 56-58; develop. ed, COL. DIV, SCOTT, FORESMAN & CO, GLENVIEW, 62-63, prog. dir. soc. sci, 63-65, soc. sci. & humanities, 65-67, EXEC. ED. SOC. SCI. HUMANITIES, PSYCHOL. & ED, 68- U.S. A. 43-46. Sociol. Asn; Polit. Sci. Asn; Anthrop. Asn; Asn. Am. Geog. Publ: La Plume: symbolist review, 1889-1905, Univ. Paris, 54. Address: 109 Moffett Rd, Lake Bluff, III. 60044.

HALL, DR. ALBERT C(HARLES). Engineering Psychology. See A-K Vol., 11th ed, Soc. & Behav. Vols. New position: Test opers. mgr, off. prod. div, Int. Bus. Mach. Corp, 69- Address: 737 Wellington Way, Lexington, Ky. 40503.

HALL, PROF. CHALLIS A(LVA), JR. Economics. See 11th ed, Soc. & Behav. Vols, deceased 68.

HALL, DR. DAVID S(TANLEY). Sociology. See A-K Vol., 11th ed, Soc. & Behav. Vols. New position & address: Behav. scientist, 69-, Dept. of Sociology, West Virginia Regional Medical Program, West Virginia University Medical Center, Morgantown, W.Va. 26506.

HALL, DR. DEE M(OREY), W. V. A. 20000.

HALL, DR. DEE M(OREY), D. P. A. Aug. 19, 14; m. 34; c. 1. CLINICAL PSY. CHOLOGY. B. S. State Univ. N. Y. Col. Fredonia, 51; M. S. Westminster Col. (Pa). 53; Kent Ste 13, 5-56; Chic See, F. Orashington (St. Louis), 62; Ph. D. (clin. psychol), St. Louis, 68. Teacher, 76 Washington (St. Louis), 62; Ph. D. (clin. psychol) or the state of the proper of the psychol. Corp. N. Y. 58-69; sch. psychologist & guid. dir. Boardman Schs, Ohio, 60-62; sch. psychologist, St. Louis County Spec. Sch. Dist, Mo, 62-63; staff psychologist, St. Louis City Child Guid. 63-68, sr. staff psychologist, 68-69; CLIN. & CON-SULT. PSYCHOLOGIST, 69-Consult, St. Louis Co. Crippled Children, 69; Parent Child Center Prog, St. Louis, 69-; Shaare Emeth Nursery Sch, 70-Psychol. Asn, Soc. Pediat. Psychol. Counseling psychology; Rorschach human movement responses by Negro and white emotionally disturbed children—investigation of the decrease in number for Negroes and the increase for whites as a function of age; creation of a test, play interpretation, to assess the capacity for intellectual and emotional understanding of children. Publ: Co-auth, Frequency of the Rorschach human movement response in Negro and white emotionally disturbed children, J. Consult. & Clin. Psychol, 4/68. Address: 114 Francis Court, St. Charles, Mo. 63301.

HALL, DR. EDWARD T(WITCHELL). Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1017 Grove St, Evanston, Ill. 60201.

HALL, DR. GEORGE FRIDOLPH. Biblical Theology & Latin America. See 5th ed. Dir. of Am. Scholars, Vol. IV. Philos, Relig. & Law.

HALL, DR. HARRY HALE, b. Cassville, Mo, Aug. 14, 34; m. 61; c. 2. AGRI-CULTURAL ECONOMICS. B.S. Missouri-Columbia, 56; M.S. Okla. State, 64; Ph.D. (agr. econ), Iowa State, 69. Asst. county agent, Univ. Missouri, 56-57, assoc. county agent, 59-61; res. assoc. agr. econ, Iowa State, 65-69; ASST. PROF. AGR. ECON. & STATIST, KENTUCKY, 69- U.S. A, 57-58. Econ. Asn. Agr. Econ. Asn. Production economics; agricultural policy; statistical methods and econometrics. Publ. Quadratic programming solution of competitive equilibrium for U.S. agriculture, 68; co-auth, Linear and nonlinear spatial models in agricultural competition, land use and production potential, Am. J. Agr. Econ, 68; Application of linear and nonlinear programming models in specifying land use, spatial equilibrium and prices for agriculture, In: Economic models, estimation and risk programming: essays in honor of Gerhard Tinter, Springer, Berlin, 69. Address: Dept. of Agricultural Economics, University of Kentucky, Lexington, Ky. 40506.

HALL, DR. JAMES WILLIAM. American Studies. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

HALL, DR. JAY. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Dir, Am. Behav. Sci. Training Labs, 69-; pres, Teleometrics, Inc, 69- Address: 2200 S. Post Oak Rd, Suite 424, Houston, Tex. 77027.

HALL, DR. RICHARD LEE. Psychology, Counseling. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 5611 S. Newport, Tulsa, Okla. 74105.

HALL, PROF. ROBERT B, JR, b. Ann Arbor, Mich, Dec. 4, 23; m. 47; c. 3. ECONOMIC GEOGRAPHY. A.B, Michigan, 47, M.A, 48, Ph.D, 52. Instr. geog, Yale, 51-52; asst. prof. ROCHESTER, 52-58, assoc. prof, 58-65. PROF. HIST. & GEOG, 65-, DIR. E. ASIAN LANG. & AREA CENTER, 67-Fulbright res. scholar, Kobe Univ, 4-55; Fulbright letr, Tohoku Univ, Japan, 61-62. U.S.A, 42-45. Asn. Am. Geog; Asn. Asian Studies; Asn. Japanese Goog. Japanese studies; Japanese modernization; population and resources. Publ: Japan: industrial power of Asia, Van Nostrand, 63; Japan's Economy, in: Encyclopaedia Britamica, 64, 66 & 66; Rochester Area, In: New York, Empire state, Syracuse Univ, 61. Address; Dept. of History, University of Rochester, River Campus Station, Rochester, N.Y. 14027.

HALL, PROF. WILLIAM F(RANCIS). Speech Pathology. See Suppl. V to 11th ed, Phys. & Biol. Vols.

HALLENBECK, DR. CHARLES EDWARD. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 69-, Dept. of Psychology, University of Kansas, Lawrence, Kans. 60044.

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- HALPERN, DR. A(BRAHAM) M(EYER). Anthropology. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position: Sr. pfrll. staff mem, Center Naval Anal, 68- Address: 4100 W St. N.W, Washington, D. C. 20007.
- HALPERN, DR. ANDREW STEPHEN, b. New York, N.Y., July 29, 39; m. 66. SPECIAL EDUCATION. B.A., Carleton Col., 61; M.A., Yale, 63; U.S. Dept. Health, Ed. & Welfare el. & Ph.D. (counseling), Wisconsin, 66. Asst. prof. MENT. RETARDATION, State Univ. N.Y. Buffalo, 66. 69; Texas, 69. 70; ASSOC. PROF. OREGON, 70- Asn. Ment. Deficiency; Coun. Except. Children; Personnel & Guid. Asn. Publ: Co-auth, Verbal expressivity as a client variable in counseling the mentally retarded, Except. Children, 34: 693-701; Verbal expressivity as an index of adaptive behavior, 74: 180-186 & auth. Some issues concerning the differential diagnosis of mental retardation and emotional disturbance, (in press), Am. J. Ment. Deficiency. Address: Opt. of Special Education, Clinical Services Bldg, University of Oregon, Eugene, Ore. 97403.
- HALPERN, DR. ESTHER, Can. citizen; m. 70. PSYCHOLOGY, B.S.C, Mc-Gill, 52, M.S.C, 54; Ph.D. (psychol), Boston, 62. Staff psychologist, Montreal Children's Hosp, 53-56; chief psychologist, Ment Hyg. Inst. Montreal, 56-58 & 61-62; sr. staff psychologist, Jewish Gen. Hosp, 62-66; asst. prof. psychol, Lincoln Hosp. Ment. Health Serv. Albert Einstein Col. Med, 66-67; consult, Head Start, J. Weldon Johnson Community Center, N.Y. 67; vis. lectr. PSY-CHOL, GRAD SCH. ED, HARVARD, 68-69, ASST. PROF, 69-Am. Psychol. Asn. Lint. Coun. Psychol; Soc. Proj. Tech. & Personality Assessment; fel. Am. Orthopsychiat. Asn. Soc. Res. Child Develop; Can. Psychol, Asn. Clinical developmental psychology; remedial reading theory and practice; Plagetcognitive theory; community psychology delivery-of-service-systems. Publ: The effects of incompatibility between perception and logic in Plaget's stage of concrete operations, Child Develop, 65, Conceptual development in a schizophrenic boy, J. Am. Acad. Child. Psychiat, 66 & Selected talks, In: The couching conference on professional psychology, McGill Univ, 67. Address: 530 E. 72nd St, New York, N.Y. 10021.
- HALPERN, DR. GERALD, b. Montreal, Que, Jan. 6, 36; m. 60; c. 2. PSY-CHOLOGY, EDUCATION. B.A., McGill, 60; M.S., Western Reserve, 63, Ph.D. (psychol), 64. Assoc. res. psychologist, Ed. Testing Serv, 64-66, res. psychologist, 66-67; res. officer, Collegiate Inst. Bd., Ottawa, 60, 167-68, DIR. RES, 68-69, OTTAWA BD. ED, 69- Asst. prof., Trenton State Col., 65-66; adl., prof, Rutgers, 66-67; letcr, Ottawa, 69- Am. Psychol. Asn; Can. Psychol. Asn; Can. Ed. Res. Asn. Design, administration and implementation of educational research within ongoing elementary and secondary school systems. Publ. Relative contributions of motivator and hygiene factors to overall job satisfaction, J. Appl. Psychol, 66; Item arrangement and bias in an interest inventory, Ed. Psychol. Measurement, 68; co-auth, Student curriculum decisions, Personnel Guid. J, 68. Address: Ottawa Board of Education, 662 Lyon St, Ottawa I, Ont, Can.
- HALPERN, DR. HARVEY, b. New York, N.Y., July 8, 29; m. 58; c. 3. SPEECH PATHOLOGY. B. A. Brooklyn Col., 56, M.A., 59; Ph.D. (speech path), N.Y. Univ, 62. Teacher, ind. ed., 56-59; instr., SPEECH PATH, Adelphi, 59-62; QUEENS COL.(N.Y.), 62-65, asst. prof., 68-69, ASSOC. PROF., 69-Fel. speech path, Mayo Grad Sch. Med, Minnesota, 68-69. Consult, ed., J. Commun. Disorders, N. Holland Pub. Co., Amsterdam, 66-; consult, summer progs, guid center ment retarded, Center Urban Ed. New York, 67. Speech & Hearing Asn; Speech Asn. Am; Acad. Aphasia. Language disorders. Publ: The effect of stimulus variables on the amount of verbal perseveration of dysphasic subjects, 4/65 & The effect of stimulus variables on dysphasic verbal errors, 6/65. Perceptual & Motor Skills; co.-auth, Speech and hearing characteristic in familial dysavtonomia, J. Speech & Hearing Res, 6/67. Address: Dept. of Communication Arts and Sciences, Queens College, Flushing, N.Y. 11367.
- HALPERN, PROF. JOEL MARTIN. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., 69-, Dept. of Anthropology, University of Massachusetts, Amherst, Mass. 01002.
- HALPERN, DR. KATHERINE SPENCER, b. Reading, Mass, Aug. 7, 13; m. 68. SOCIAL ANTHROPOLOGY. B.A, Vassar Col, 35; Soc. Sci. Res. Coun. fel, Chicago, 41-42, M.A, 44, Ph.D. 52. Case consult, Am. Red Cross, 42-44; soc. sci. analyst, U.S. Off. War Info, 44-46; asst. scc. rels, Harvard, 46-50, assoc. dir. community health proj, sch. pub. health, 53-57; asst. prol, N.Y. Sch. Soc. Work, Columbia, 50-52; assoc. prof. soc. sci. & res. method, sch. soc. work, Boston, 54-64, prol, 64-70, lectr. anthrop, 64-96, sociol. & anitrop, 61-70; PROP, DEPL. sevental, Harvard Med. Sch, 50-65. Consult, rev. cmt. Nat. Inst. Ment. Health, 63-66 & 70-; soc. serv. br, div. Indian health, U.S. Pub. Health Serv, 64. Fel. Anthrop, Ass; Soc. Appl. Anthrop. Mythology; personality and culture; medical anthropology; social work research. Publ: Ed, Sociocultural elements in casework; a case book of seven ethnic case studies; auth, Mythology and values; Reflections of social life in the Navaho origin myth. Address: Dept. of Anthropology, American University, Washington, D.C. 20016.

- HALPERN, DR. RICHARD S. Sociology, Social Psychology. See A. K. Vol, 11th ed, Soc. & Behav. Vols. New position & address: Mgr. mkt. planning. & mkt. res, 59-, Coca-Cola Europe, 195 Knightsbridge, London, S.W. 7, Eng.
- HALT, PROF. CHARLES E, b. Pittsburgh, Pa, Dec. 11, 13; m. 39; c. 2. ECO-NOMICS, POLITICAL SCIENCE. B.S. Slippery Rock State Col, 34; M.Ed, Pa. State, 40; Pittsburgh, 45-59, D.S.S. (econ, polit sci), Syracuse, 85. Supr. soc. studies ed, Slippery Rock State Col, 44-49, instr. soc. sci, 49-59, assoc. prof, 60-65, prof. ECON, 85-69, PROP. & CHIMN. DEPT, BETH-ARY COL.(W.VA), 69- Econ. Asn. Economic charges in United States since 1900. Address: Dept. of Economics, Bethany College, Bethany, W.Y. 25032.
- RALTERMAN, DR. CARROLL CLIFTON, b. Jackson, Ohio, Oct. 9, 19; m. 52; c. 4. BUSINESS ADMINISTRATION. B.Sc., Maryland, 57; M.A., Washington (Seattle), 61, D.B.A., 65. Asst., prof. ADMIN. SCI, COL. BUSI. ADMIN, DEN-YER, 65-68, ASSOC. PROF, 68-, CONSULT, EXEC. PROGS, 66- Pres, Int. Tech, Inc. & dir., Exec. Training, 66- U.S.A.F., 42-46, 48-64, L. Col. Acad. Mgt, Soc. Training & Develop. Organizational analysis; system management; management development. Publ: Co-auth, Managerial control through communication, 68, auth, Cutting communications costs: .., 69 & Information systems and evidential meaning, In: Managerial control through communication, 68, Wiley. Address: College of Business Administration, University of Denver, Denver, Colo. 80210.
- HAMBACHER, DR. WILLIAM O(TTO). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 68-, Dept. of Psychology, California State College, California, Pa. 15419.
- HAMBOR, DR. JOHN C, b. Painesville, Ohio, Dec. 21, 39. ECONOMICS. B.A, San Fernando Valley State Col, 62; M.A, Michigan, 65, Ph.D. (econ), 68. Lectr. ECON, Michigan, 64-66; ASST. PROF, CALIFORNIA, SANTA BARBARA, 67- Economet. Soc. Econometrics; dynamic macroeconomics; economics of education. Address: Dept. of Economics, University of California, Santa Barbara, Calif. 33106.
- HAMBURG, PROF. CARL (HEINZ). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- HAMBURG, DR. ROGER P. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: University of Wisconsin-Parkside, Kenosha, Wis. 53140.
- HAMBURGER, DR. MICHAEL J(AY), b. Bronx, N.Y. Sept. 27, 38; m. 60; c. 2. ECONOMICS. B.S. Syracuse, 58; Int. Bus. Machine Corp. fel, Carnegie-Mellon Univ, 60-61, Ford Found. fel, 61-62, M.S. 62, Fed. Res. Bank Cleveland fel, 62-63, Ph.D. (econ), 64. Asst. prof. econ, Pennsylvania, 63-66; economist, Fed. Res. Bank N.Y. 66-68, spec. asst, 68-69; chief domestic res. div, 69-70; ADV, BANK OF ENG, 70- Res. fel, Travelers Ins. Co, 65; adj. assoc. prof. Baruch Col, City Univ. New York, 66-70, adj. prof, 70-Consult, Commonwealth of Pa, 63. Econ. Asn; Economet. Soc. Monetary theory and policy; macroeconomics; econometrics. Publ: The demand for money by household, money substitutes and monetary policy. J. Polit. Econ, 12/66; co-auth, An empirical study of interest rate determination, Rev. Econ. & Statist, 8,69; auth, Indicators of monetary policy; the arguments and the evidence, Am. Econ. Rev, 5/70. Address: Bank of England, London E.C. 2, Eng.
- HAMELMAN, DR. PAUL W, b. Hempstead, N.Y, Oct. 8, 30; m. 53; c. 4.
 MANAGEMENT SCIENCE. A.B. Davis & Elkins Col, 53; M.B. A, Pittsburgh,
 59, U.S. Steel Found. fel, 58-60, Ph.D. (mgt), 62. Asst. prof. MGT, West
 Virginia, 60-64, ASSOC. PROF, 64-68; V.X. POLYTECH, 69-5 Spec. asst, off.
 provost, W.Va. Univ, 66-67; dir. bus. & pub. admin. prog. univ. grad. center,
 Charleston, 67-69. Consult, coord. dol, Tex. Col. & Univ. Syst, 57-68; od.
 higher ed, N.C. 69- U.S.N, 53-56, Res, 56-, Lt. Comdr. Opers. Res. Soc.
 Am; Inst. Mgt. Scl; Econ. Asri, Acad. Mgt. Applications of management science and decision theory to long-range planning, programming and resource
 allocations in institutions of higher learning. Publ: Missions, matrices and
 university management, Acad. Mgt. J, 3/70; co-auth, Planning for balanced
 resource allocations in academe: a systems analytic model, Proc. Tech. Inst.
 Mgt. Syst. Conf., 6/70 & A systems view of a university: the missions concept of planning-programming-budgeting, Proc. Acad. Mgt, 4/7). Address;
 Dept. of Management, Virginia Polytechnic Institute, Blacksburg, Va. 24061.
- HAMERMESH, DR. DANIEL S, b. Cambridge, Mass, Oct. 20, 43; m. 66; c. 1. ECONOMICS. A.B., Chicago, 65; Ph.D.(econ), Yale, 69. Acting instr. econ, Yale, 68-69; ASST. PROF. ECON, PRINCETON, 69- Ford Found, res. grant for study urban labor mats, 69-74. Summers, res. assoc, Center Naval Anal, Va, 66 & teaching in Hailfax, N.S. 68. Econ. Asn, Economet. Soc. Indust. Market St. 1988. Asn. Theoretical analysis of magnover programs, labor gross changes in employment and changes in output, Rev. Econ. & Statist, 2/69; Wage bargains, threshold effects and the Phillips Curve, Quart. J. Econ. 8/70; Manpower programs in a local labor market, Am. Econ. Rev, 9/70. Address: Industrial Relations Section, Princeton University, Box 248, Princeton, N.J. 08540.
- HAMILL, DR. JAMES G, b. Memphis, Tenn, Mar. 24, 30; m. 50; c. 3. AGRI-CULTURAL ECONOMICS, ECONOMICS. B.S, Miss. State, 57, M.S, 61; Nat. Sci. Found, fel. & Ph.D. (agr. econ), La. State, 68. Res. asst. AGR ECON, AGR. EXP. STA, MISS. STATE, 59-63, asst. prof, 64-68, ASSOC. PROF, 68-U.S.A.F, 49-53; U.S.A.F, 45-Maj. Agr. Econ. Asn, 501 Conserv. Soc. Ann. Soc. Farm Mgr. & Rural Appraisers. Production economics, especially the study of efficient resource allocation and use in the production of goods and services. Publ: An economic evaluation of production of milk for manufacturing, 2/61 & co.-auth, Budgets for forage crops in the brown loam area of Mississippi, 8/65, Miss. Agr. Exp. Sta; auth, River Valley area of Louisiana data for farm planning in the Ouachita, La. Agr. Exp. Sta, 6/68. Address: P.O. Box 5187, State College, Miss. 39762.

HAMILTON, ARTHUR B. Agricultural Economics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

HAMILTON, DR. CARL W, b. Burkburnett, Tex, Dec. 18, 39; m. 62; c. 2. OP-ERATIONS RESEARCH, ECONOMICS. B.S, Calif. Inet. Tech, 62; M.A, California, Los Angeles, 65; Ph.D. Jopers, res), Mass. Inet. Tech, 69. systs. engr., Int. Bus. Mach. Corp, 62-66; ASST. PROF. QUANT. BUS. ANAL, SOUTHERN CALIFORNIA, 69 - Consult, Abt Assocs, Mass, 67-69; Int. Bus. Mach. Corp, N.Y, 66-69; Rand Corp, Calif, 69 - Opers. Res. Soc. Economet. Soc. Nonlinear programming; decomposition techniques; optimal control; multiperiod optimization in economics. Publ: Optimal control of research and development expenditures, M.I.T. Tech. Report, 12/69. Address: Dept. of Quantitative Business Analysis, Graduate School of Business Administration, University of Southern California, Los Angeles, Calif. 90007.

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HAMILTON, DR. RALPH L, b. Hillsboro, Ohio, Nov. 21, 28; m. 55; c. 3.

MASS COMMUNICATIONS. B.S. Ohio State, 49; M.S. Wisconsin, 55, Ph.D,
69; Mich. State, 56-60. Asst. ed, Ohio Farmer, Cleveland, Ohio, 49-51,
53-54; asst. agr. ed, Mich. State, 55-60; ED. & HEAD AGR. INFO, UNIV.
TENNESSEE, 60- U.S.A., 51-52. Asn. Agr. Col. Ed, Ores, 69-70. Effectiveness of an experimental direct mall service in Increasing levels of
technical forestry knowledge of a selected group of Tennessee small woodland owners. Address; 210 Sutton Lane, Knoxville, Tenn. 37919.

HAMILTON, DR. RUTH SIMMS. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 68-, Dept. of Sociology, Michigan State University, East Lansing, Mich. 48823.

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HAMMEL, PROF. ROBERT WARREN. Pharmacy Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. pharm. admin, 68-, School of Pharmacy, University of Wisconsin, Madison, Wis. 53706.

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HAMPSCH, DR. GEORGE H(AROLD). Philosophy. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos, Relig. & Law.

HAMPTON, PROF. GEORGE L, III, b. Topeka, Kans, July 10, 37; m. 63; c. 2. EXPERIMENTAL PSYCHOLOGY. B.S. Trinity Col, 63; M.A. Arizona, 66, Ph.D. (bsychol), 69. Ast. prof. exp. psychol, Edinboro State Col, 66-67; assoc. prof. exp. psychol. & chan. dept. psychol, Drury Col, 67-70; PROF. EXP. PSYCHOL. & CHM. DEPT. PSYCHOL, DES. STATE COL, WOMEN, 70- U.S.A, 59-62. AAAS; Psychol. Asn. The effect of overtraining on the acquisition of reversal and nonreversal discrimination shifts in humans and infrahumans; resistance of attitudes under sensory deprivation conditions. Address: Dept. of Psychology, Mississippi State College for Women, Columbus, Miss. 39701.

HAMPTON, DR. JOHN DAVID, b. Norristown, Pa, Feb. 17, 18; m. 40. ED-UCATIONAL PSYCHOLOGY. B.G.E, Omaha, 61; M.S., Trinity (Tex), 63: Ph.D.(ed. psychol), Texas, 61. Dlr, rehab. sch, U.S. Air Force, 55-56, supyr, observer training sect, 36-59, mgt. training corres, 95-60, training sch, 60-63, res. technician, Lackland Air Force Base, 63; res. assoc. ED. PSYCHOL, Texas, 64-67; asset, prof, OKLA. STATE, 67-69, ASSOC. PROF. 69-, coordinator, 68-69. Res. abstractor, 68- Summers, consult, upward bound prog, Langston Univ, 67-69; learning center, Okla. Christian Col. 68, ed. eyal. inst, Southern Illinois, 69. U.S.A.F., 36-63, Chef M'Sgt.(Ret). Interam.' Soc. Psychol, Nat. Soc. Programmed Instr; Ed. Res. Asn. Psychol. Asn. Human motivation and cognitive processes as they relate to the classroom learning situation; programmed instruction and test taking behaviors. Publ: Evaluating programmed instruction and test taking behaviors. Publ: Rvaluating programmed instruction of age, sex, and ethnicity, In: Vol. 2, La contribucion de las ciencias psicologicas y del comportamiento al desarrollo social y economico de las pueblos, Nat. Univ. Mex, 67; Intolerance of ambiguity: a coping mechanism or mode of evaluation?, interam. J. Psychol., 370. Address: Classroom Big. 413, Oklahoma State University, Stillwater, Okla. 74074.

HAMSTRA, R(OBERT) H(OLLIS). Industrial Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Hamstra & Co, P.O. Box 1901, La Jolla, Calif. 92037.

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HANDA, DR. JAGDISH, b. W. Pakistan, Sept. 11, 39; m. 66; c. 1. ECONOMICS. B.Sc., London Sch. Econ, 62; Gliman & univ. fels, Hopkins, 62-66; Ph. (econ), 68. ASST. PROF. ECON, McGILL, 66- Econ. Asn. Monetary theory and policy; technological change; growth theory. Address: Dept. of Economics, McGill University, Montreal, Que, Can.

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HANDY, PROF. ROLLO. Philosophy. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos, Relig. & Law.

HANEBRINK, DR. EARL L. Ornithology, Animal Ecology. See Suppl. V to 11th ed, Phys. & Biol. Vols.

HANEY, DR. LEWIS H(ENRY). Economics. See 11th ed, Soc. & Behav. Vols, deceased 69.

HANIFI, DR. M. JAMIL, b. Kabul, Afghanistan, June 27, 35; m. 57; c. 4.
ANTHROPOLOGY B.Sc, Mich. State, 60, M.A. 62; Ph.D. (anthrop), Southern
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- vestment in public services. Publ: Ed, Essays in petroleum economics, 67 & The political economy of energy and national security, 69, Colo. Sch. Mines; auth, The demand for water under dynamic conditions: a case study of Boulder, Colorado, Univ. Colorado, 69. Address: Dept. of Geography & Environmental Engineering, Johns Hopkins University, Baltimore, Md. 21218.
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- HANSELL DR. NORRIS. b. Bryn Mawr. Pa., Dec. 20, 31; m. 55; c. 4. MANAGEMENT SCIENCE, PSYCHLATRY. B.A. Haverford Col. 53; M.D. Pennsylvania, 58; M.S.Hyg, Harvard, 64. Asst. dir. student ment. health serv, St.
 Joseph's Col. (Pa), 62-64; zone dir, Ill. State Dept. Ment. Health, Rockford,
 64-68; dir. poverty studies unit, lab. community psychiat, Harvard Med.
 Sch., 68-69; ASST. PROF. PSYCHIAT. & DIR. CURRICULUM DEVELOP,
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 health expediter curriculum, Northern Illinois, 64-; consult. serv. design,
 H. Douglas Singer Zone Center, Rockford & Taunon State Hosp, Mass, 68AAAS; Psychiat. Asn. History of domestic social casualty management;
 comparative analysis of human social services territorial organization.
 Publ: Patient predicament and clinical service, a system, 8/67, Casualty
 management method: an aspect of mental health technology in transition,
 9/68; Decision counseling method: expanding coping at crisis-in-transit,
 5/70, Arch. Gen. Psychiat. Address: Dept. of Psychiatry, Northwestern
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- HANSEN, DR. EDWARD CHARLES, b. Ann Arbor, Mich, Feb. 27, 40; m. 62; c. 2. ANTHROPOLOGY. B.A, Michigan, 61, M.A, 64, Nat. Defense For. Lang. fel, 64-68, Ph.D. (anthrop), 69. ASST. PROF. ANTHROP, QUEENS COL. (N. Y), 68. City Univ. New York summer res. grant, 69. Anthrop. Asn. Anthropology of underdeveloped nations; peasant society and culture; Latin American and Spanish ethnology. Publ: Co-auth, Caudillo politics: a structural analysis, Comp. Stud. in Soc. & Hist, 1/67; auth, The state and the land tenure in rural Catalonia Spain, Anthrop. Quart, 7/69. Address: Dept. of Anthropology, Queens College, Flushing, N.Y. 11367.
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- HANSEN, DR. HUGH G(ROVES), b. Chico, Calif, Aug. 25, 17; m. 43; c. 2. ECONOMICS. B.A, Oberlin Col, 38; M.P.A, Michigan, 46; Haynes Found. fel, \$2-53; Ph.D.(econ), California, 55. Economist, Off. Price Admin, Calif. \$1-52; res. analyst, bur. pub. admin, California, 53-54; asst. prof. econ, North Dakota, 54-55; lowa, 55-58; ethef, U.S. Census Irrigation, 58-59; economist, regional econ. develop, Orgn. Am. States, Argentina, 59-60; vis. assoc. prof. ECON, Cornell, 60-61; ASSOC. PROF, Colorado, 61-64; WYO-MING, 64- Comparative economic systems; economic development and water resources; employment theory and policy. Publ: Central Valley Project, federal or state? Address: Dept. of Economics, University of Wyoming, Laramie, Wyo. 82070.
- HANSEN, MORRIS H(OWARD). Statistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, U.S. Bur. Census; sr. staff adv, Westat Res. Inc, 68- Address: Westat Research Inc, 7979 Old Georgetown Rd, Bethesda, Md. 20014.
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- HANSLOWE, PROF. KURT L. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

- HANSON, PROF. DAVID P. b. Brooklyn, N.Y. July 6, 30; m. 56; c. 2. EDU-CATIONAL PSYCHOLOGY. A.B. Hope Col., 53; M.Ed., Springfield Col., 58; Alumni Asn. scholar. & D.Ed. (sch. psychol), Rutgers, 65. Teacher, N.Y., 58-58; sch. psychologist, Westfield, N.J. 69-62; sch. psychologist & dir. child study, Ridgereid, 62-67; assoc. prof. PSYCHOL, EDINBORO STATE COL., 67-68; PROF, 68.—Co-ad, staff, Rutgers & St. Peter's Col., 66; Jersey City State Col., 67. Consult, psychol. Jab, Sevens Inst. Tech, 67; Eric Guid. Center, Pa., 68.—U.S.A, 53-55. Psychol. Asn; Coun. Except. Children. School psychology; administration of child study services including consulting psychiatry, social work, special education, guidance, speech therapy, and remedial reading; training programs for school psychologists; special education services for handcapped; psychological testing. Address: Dept. of Psychology, Edinboro State College, Edinboro, Pa. 16412.
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- HANSON, PROF. MORGAN. Operations Research, Statistics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- HANTEN, PROF. EDWARD W, b. White Lake, S.Dak, Feb. 12, 18; m. 41. UR-BAN STUDIES, GEOGRAPHY. B.A, Earlham Col, 53; Pa. State, 54-55; M.A. Pittsburgh, 58, Ph.D. (urban geog), 62. Instr. urban geog, Pittsburgh, 59-60; res. assoc. urban fiscal develop, Pa. Econ. League, 60-63; asst. prof. urban geog, AKRON, 63-65, assoc. prof. geog. & urban studies, 65-67, PROF. GEOG. & URBAN STUDIES & HEAD DEPT. URBAN STUDIES, 67-, DIR. CENTER URBAN STUDIES, 65- Independent consult. urban develop, 58- Regional Sci. Asn.; Asn. Am. Geog. Urban fiscal development and local tax policy; environmental pollution and its impact on the urban social structure. Address: Dept. of Urban Studies, University of Akron, Akron, Ohio 44304.
- HANTZ, PROF. HAROLD D(ONOVAN). Philosophy. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos, Relig. & Law.
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- HANVIK, DR. LEO J. Psychology. See A-K Vol., 11th ed, Soc. & Behav. Vols. New information: Dir, Washburn Child Guid. Center, 68- Address: 901 Utah Ave. S, Minneapolis, Minn. 55426.
- HAQUE ABU SAEED ZAHURUL. Folklore, Comparative Literature. See Suppl. I to 5th ed, Dir. Am. Scholars.
- HARARI, DR. CARMI. Clinical Psychology. See A-K Vol, 11th ed. Soc. & Behav. Vols. New information: Mem. faculty, teachers col, Columbia & Queens Col. Address: 285 Central Park W. New York, N.Y. 10024.
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- HARDER, DR. K. PETER, b. Steinau, Germany, Apr. 22, 40; U.S. citizen; m. 64. ECONOMICS, ECONOMIC HISTORY. B. A. Puget Sound. 63; Nat. Defense Ed. Act lel, Nebraska, 63-66, M.A., 66; Ph.D. (econ), 68. ASST. PROF. ECON, WICHITA STATE, 67- Am. Econ. Asn; Econ. Hist. Asn; Brit. Econ. Hist. Soc; Bus. Hist. Asn. Economic history of the United States and Europe; history of economic thought. Publ: Major factors in business formation and development, Nebr. J. Econ. & Bus, summer 69 & Papers Bus. Hist. Conf., 69. Address: Dept. of Economics, Wichita State University, Wichita, Kans. 67208.
- HARDIE, DR. IAN W. Agricultural Economics. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position & address: Asst. prof., 69-, Dept. of Agricultural Economics, University of Maryland, College Park, Md. 20740.
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- HARDISON, DR. RICHARD C, b. Charleston, S.C., 22; m. 49. PSYCHOLOGY, PHILOSOPHY. A.B. Occidental Col, 48, M.A., 49; Ed.D.(ed., psychol), Southern California, 61. PROF. PSYCHOL. & PHILOS, GLENDALE COL, 49-Vis. scholar, California, Irvine, 68-69. Psychol. Asn. Errors of testing and analysis in college reading improvement programs. Address: 204 Table Rock, South Laguna, Calif. 92677.
- HARDMAN-de-BAUTISTA, DR. M. J, b. Salt Lake, Utah, Oct. 8, 35; m. 62; c. 2. LINGUISTICS, ANTHROPOLOGY. B.A, Utah, 55; M.A, New Mextco, 57; Fulbright scholar, San Marcos Univ, Lima, 88-59; Ph.D. (ling, Spanish), Stanford, 63. Instr. English, San Marcos Univ, Lima, 58; ling, Cornell,

61-63; asst. prof. Spanish & ling, Santa Clara, 63-65; dir, Nat. Inst. Ling. Studies, La Paz, Bolivia, 65-69; prof. ling, La Paz, 65-67; ASSOC. PROF. ANTHROP, FLORIDA, 67- Trainer Peace Corps, Quechua area, California, Los Angeles, 63; Nat. Sci. Found. res. grant, 64; Fulbright lecterships, Bolivia, 65-67; travel grant, participant & del, PILEI, Mexico City, Mex, 68; Phillips Fund grant, Am. Philos. Soc., 68; Ford Latin Am. Studies grant, Indiana, 68; Nat. Defense Ed. Act. contract, 69-70; summers, asst. coordinator, Quechua prog, Cornell, 62; res. appointment, Florida, 69. Anthrop. Asn; Ling. Soc. Am; Asn. Comput. Ling; Int. Ling. Asn. Preparation of Asymara; comparative research in Jaqi languages towards reconstruction of Proto-Jaqi; computerized comparative dictionary of Andean languages, primarily Jaqian. Publ: Jaqaru: outline of phonological and morphological structure, Mouton, 66; Consonantal conditioning of the distribution of vowel allophones in Jaqaru, Splunx, 61; Sistema fonemico del Jaqur, Rev. del Museo Nacional, 63. Adress: Dept. of Anthropology, University of Florida, Gainesville, Fla. 32601.

HARDY, PROF. J. GARRICK, b. Mobile, Ala, Nov. 16, 09; m. 39; c. 1. SO-CIOLOGY, EDUCATION. B.S. Ala. State Col, 32; M.S. Jowa State Col, 33; Ph.D. (Socioli), Wisconsin, Madison, 46. Teacher & asst, prin, high sch, Ala, 33-34; dir. summer sch. & coach, ALABAMA STATE, 34-42, prin, 42-43, dean jr. col, 46-51, dean freshman col, 51-61, dir. student personnel, 61-63, PROF. SOCIOL. & HEAD DEPT, 63-, gen. alumni secy, 36-42, coach debating team, 46-55, dir. pub. rels, 47-63. Rep, White House Conf. Minority Contracts, 63; mem. exec. cmt, Ala. Rehab. Res. Found, 68-70; mem. exec. bd, Montgomery, Chap, Nat. Found; rep, White House Conf. Ed; mem, President's Cmt. Prevention & Control Juvenile Delinquency. Fel, Sociol. Asn; fel, Soc. Appl. Anthrop; Coun. on Ed; Asn. Higher Ed; Asn. Soc. & Behav. Scientists. Treatment and rehabilitation of juvenile delinquents in state juvenile institutions; attitude studies of college students regarding the present education programs, especially in lower under-graduate division; study of marriage and family relations as indicated or evidenced in culturally depressed groups. Publ. Preshman Handbook for Alabama State, 47-60 & Pilot (student handbook), 61, Alabama State Univ; Eulletin and newsietters, Ala. State Teachers Asn, 55-58. Address: Dept. of Sociology, Alabama State University, Mongomery, Ala. 36106.

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HARGREAVES, DR. LEON ABRAHAM, JR. Forest Management. See H-K Vol, 11th ed, Phys. & Biol. Vols.

HARGROVE, DEAN M(ERWIN) M(ATTHEW). Business Administration. See A.K Vol, 11th ed, Soc. & Behav. Vols. New position: Trustees prof, 68-College of Business Administration, University of Tulsa, Tylsa, Okla. 74104.

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HARKNESS, DR. JAMES P(ERRY). Sociology, Medical Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dep. coordinator, 68-, New Jersey Regional Medical Program, 88 Ross St, East Orange, N.J. 07018.

HARLAN, DR. REGINALD KELSEY, b. Floydada, Tex, May 23, 18; m. 47.
AGRICULTURAL ECONOMICS. B.S, Tex. Tech. Col. 49, M.S, 54: Ph.D.
(agr. econ), Ohio State, 61. Gen. mgr. Consumers Fuel Asn, Tex., 46-47;
instr, N. Mex. State Dept. Ed., 49-51; exec. secy, Farm Bur, Lea County,
N. Mex, 52-53, Chaves County, 53-54; teacher high sch, Tex, 54-56; exec.
economist, Univ. Arkansas, 61-63; as6-66; ASSCO, PROF. GR. & RE.
ACTION CE. ECON. MAINE, 68. U.S.N., 40-45, Res, 45-55, Lt. Agr. Econ.
Asn. Agricultural production, marketing, policy, credit, and development;
costs and returns and efficiency analysis of potato production in Maine.
Publ: Export program, drought, soil bank boost prices for Ohio Farmers,
State Ext. Serv, Ohio, 56-61; Summary analysis of farm business records,
1962, Univ. Ark. Agr. Exten. Serv, 63; co-auth, The economics of grape
production and marketing in the Koh Daman Valley, Afghanistan, Kabul Univ.
Faculty Agr, Kabul, Afghanistan, 11/67. Address: Winslow Hall, University
of Maine, Orono, Maine 04473.

HARLESS, DR. JAMES DEAN, b. Birmingham, Ala, Oct. 3, 31; m. 49; c. 2.
MASS COMMUNICATIONS, JOURNALISM. B.A, Samford, 57; M.A. Alabama,
59; Ph.D. (mass commun), Iowa, 67. Instr. English & journalism; Wis. State,
River Falls, 58-64, asst. prof. JOURNALISM, 64-67, assoc. prof. 67; asst.
prof. Alabama, 67-69; ASSOC. PROF. OHIO STATE, 69- U.S.N, 51-54. Asn.
Ed. in Journalism. Communications; popular arts effects. Address: Dept. of
Journalism, Ohio State University, Columbus, Ohio 42210.

HARMAN, DR. ROBERT C, b. Los Angeles, Calif, July 24, 36; m. 67; c. 1.
ANTHROPOLOGY. B.A, California, Santa Barbarra, 62; M.A, Arizona, 64,
Nat. Inst. Ment. Health fel, 67-69, Ph.D. (anthrop), 69. ASST. PROF. ANTHROP, CALIF. STATE COL. LONG BEACH, 70- U.S.A, 55. Ethnol. Soc.
Appl. Anthrop; 64. Anthrop. Asn. Publ: Change in a Navajo Ceremo-

nial, El Palacio, spring 64; La medicina preventiva en una comunidad india de los altos de Chiapas, Mexico, Anuario Indigenista, 12/69. Address: Dept. of Anthropology, California State College at Long Beach, Long Beach, Calif. 90801.

HARMON, DR. LINDSEY R(ICHARD). Personnel Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: 1201 N. Illinois St, Arlington, Va. 22205.

HARMON, PROF. M(ONT) JUDD. Political Science. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: 1252 Sumac Dr. Logan, Utah 84321.

HARMS, DR. L. STANLEY, b. Spink County, S.Dak, Dec. 3, 28; m. 66; c. 3, SPEECH, COMMUNICATION. B.A., Florida, 55; M.A., Ohio State, 57, Ph.D. (speech-commun), 59. Asst. prof. speech, La. State, 59-62; ASSOC. PROF. SPEECH-COMMUN, Kansas, 62-65; HAWAHI, 65- 58. rspecialist, East-West Center, Honolulu, 65-66. U.S.A., 47-50. Speech Asn. Am; Int. Commun. Asn. Two-person intercultural interchange in face-to-face communication between dissimilar persons; two person learning systems in the area of speech-communication. Publ. Phonetic transcription, Scott, 64; co-auth, Speecd-communication speech-south speech-communication speech-south speech-communication. International speech-duction systems, Burgess, 70. Address: Dept. of Speech-Communication, University of Hawaii, Honolulu, Hawaii 36622.

HARNED, DR. LOUISE. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Soc. sci. res. analyst, U.S. Dept. Labor, 69-Address: 1100 Sixth St. S.W, Washington, D.C. 20024.

HARONIAN, DR. FRANK (JOHN, JR). Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: V.pres, Psychosynthesis Res. Found. N.Y. 69 - Address: 2807 Princeton Pike, Trenton, N.J. 08638.

HARPER, DR. F(LOYD) A(RTHUR). Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: Institute for Humane Studies, Inc. 1134 Crane St, Menlo Park, Calif. 94025.

HARPER, DR. PAUL FREDERICK, b. Ingram, Pa. Oct. 26, 29; m. 58. POLITICAL SCIENCE. B. A. Pittsburgh, 60; Nat. Defense For Lang, fel. Cornell. 80-62, Ford Found. For. Area fel, 62-63, London-Cornell Proj. fel, 64-66, Ph.D. (polit sci), 69. Instr. POLIT. SCI, HOFSTRA, 66-68, ASST PROF. 69- U.S.A. F, 51-55. Polit. Sci. Asn., Sains Studies. Role of trade unions in Communist China, Spolitical system. Publ. The party and the unions in Communist China, China Quart, 1-3/69; Cultivation of workers for leadership in Communist China, In: The city in Communist China, Stanford, (in press). Address: Dept. of Political Science, Hofstra University, Hempstead, N.Y. 11550.

HARRELL, PROF. LESTER EDWARD, JR. Developmental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Dir. 69-. Office of Institutional Studies. University of Texas at Austin, Will C. Hogg Bldg. 101. P.O. Box 7518, Austin, Tex. 78712.

P.O. BOX 7016, AUSTIN, 168. 1612.

HARRIGAN, DR. JOHN E, b. Elizabeth, N.J. Nov. 11, 34; m. 60; c. 2. EX-PRIMENTAL PSYCHOLOGY, HUMAN FACTORS ENGINEERING. B.A. California, Berkeley, 59; Ph.D. (exp. psychol), Colorado State, 66. Supur. human eng. space div. Chrysler Corp. 64-65; asst. prof. psychol, Washington State, 66-68; prob. mg, human factors, Naval Electronics Lab. Center. San Diego, Calif. 68-69; ASSOC PROF. PSYCHOL, CALIF. STATE POLY-TECH. COL, SAN LUIS OBISPO, 69- Prin. scientist, Booz-Allen Appl. Rs. Inc, 69- U.S. N, 52-55. Psychol. Ass, Human Factors Soc. (ed. Human Factors Bull, 66-); Opers. Res. Soc. Am. Psychology for application within engineering, city planning and architectural endeavors: cybernetics and theoretical model building. Publ: Co-auth. S-R and R-S acquisition as a function of meaningfulness, 67 & The effect of CPZ on survival motivated escape response, 68, Psychonomic Sci; auth, CIC effectiveness measurement by means of computerized simulation. Dept. of Navy, 6/69. Address: Dept. of Psychology, California State Polytechnic College, San Luis Obispo, Calif. 93401.

HARRINGTON, DR. CHARLES CHRISTOPHER, b. New York, N.Y. Jan. 14, 42; m. 62; c. 2. ANTHROPOLOGY. A.B. Syracuse 62. Ph.D. (soc. anthrop). Harvard, 68. Res. assoc. anthrop, ment. health res. unit, N.Y. State Dept. Ment. Hygiene, 65-67; ASST. PROF. ANTHROP. E.D. TEACHERS COL. COLUMBIA, 67- AAAS; fel, Anthrop. Asn; fel. Soc. Applied Anthrop; Sociol. Asn; Soc. Psychol. Study Social Issues. Psychological and social anthropology; socialization: political socialization: sex role socialization. Publ: Errors in sex-role behavior in teen age boys, Teachers Col, 70; co-auth, The learning of political behavior, Scott, 70 & Clergyman as counselor, Am. J. Sociol, 63. Address: Box 95, Teachers College, Columbia University, New York, N.Y. 10027.

HARRINGTON, PROF. D(AVID) N(OBLES). Agricultural Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Agr. economist. prod. resources br, Econ. Res. Serv. U.S. Dept. Agr, Wash, D.C, 69- Address: 9305 Nester Rd, Fairfax, Va. 22030.

HARRINGTON, DR. ROBERT WILLARD. Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: V.pres, Data Dynamics, Inc. Arlington. 69- Address: 11763 N. Shore Dr., Reston, Va. 22070.

HARRIS, DR. ALBERT J(OSIAH). Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Emer. prof, City Univ. N.Y, 68- Address: 345 E. Grand St, Mt. Vernon, N.Y. 10552.

HARRIS, DR. CHARLES STANLEY, b. Syracuse, N.Y, Nov. 25, 41; m. 65; c. 1. SOCIOLOGY. B.A. Syracuse, 63; M.A. Duke, 65, Nat. Inst. Ment. Health fel, 65-67, fel, 66-67, Nat. Sci. Found, fel. & Ph.D. Igociol), 67. Asst. SOCIOL, Duke, 63-65; ASST. PROF. GEORGE WASHINGTON, 67- Consult, N.C. Fund, 66; Res. Mgt. Corp., 68. Sociol. Asn. Work and leisure relationships; occupational career patterning; social correlates of retirement; organizational

stress; occupational ideologies. Publ: Occupational correlates of associational participation, Sociol. Symp, spring 69. Address: Dept. of Sociology, George Washington University, Washington, D.C. 20006.

HARRIS, PROF. CHARLES W. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Dir. grad. studies, Coppin State Col, 70-Address: 4103 Fernhill Ave, Baltimore, Md. 21215.

HARRIS, DR. DEAN A, b. Flint, Mich, Mar. 31, 30. AUDIOLOGY. B.A, Michigan, 52, M.S., 53; Ph.D. (audiol), Oklahoma, 61. Therapist, Brooke Army Hosp, San Antonio, Tex, 55-54; audiologist, Walter Reed Army Hosp, Dal. C., 54-55; private practice, Dallas, Tex, 55-57; med. center, Univ. Oklahoma, 57-60; chief audiol. & speech path, Vet. Admin. Hosp, Dallas, 60-65; ASSOC. PROF. AUDIOL. SOUTHERN METHODIST, 65- Instr., North Texas State, 56-57; assoc. dir. audiol. Callier Hearing & Speech Center, Dallas, 65-; vis. summer lectr, Texas Woman's Univ. 64. Speech & hearing consult, Oasis Shrine Crippled Childrens Clin, 61- U.S.A, 53-55, Res, 63-65, Capt. Speech & Hearing Asn. Nonorganic hearing loss; hearing aids; audiometric technique; speech transmission systems. Address: Dept. of Audiology, Southern Methodist University, Dallas, Tex. 75222.

HARRIS, DR. DOUGLAS H(ERSHEL). Psychology, Statistics. See A-K Vol., 11th ed, Soc. & Behav. Vols. New position: Prin. scientist, Anacapa Sci., Inc., Santa Barbara, 69 - Address: 7148 Armstrong Rd, Goleta, Calif. 39017.

HARRIS, DR. GEORGE L(AWRENCE). b. Spokane, Wash, Nov. 13, 10; m. 41. CULTURAL ANTIROPOLOGY. B.A, Washington (Seattle), 40; Ph.D (anthrop), Catholie Univ, 67. Chief China desk, pollt-econ. sect, Mil. Intel. Serv, Wash, D.C, 46; for. serv. reserve officer, U.S. Embassy, Nanking & exec. secy. & dir., U.S. Ed. Found. in China, 47-49; dep. dificer in charge, pub. affairs staff, Bur. Far East. Affairs, U.S. Dept. State, 50-53; sr. res. assoc. anthrop, Spec. Opers. Res. Off, For. Areas Studies Div, AMERICAN UNIV, 55-44, ASSOC. PROF. CULTURAL ANTIROP. & FAR EAST. STUDIES, SCH. INT. SERV, 64-, Ford Found. res. grant admin. by Sch. Int. Serv, 67-68. Mil. Intel. Serv, 42-46, Capt. Anthrop. Asn; Soc. Appl. Anthrop., Asn. Asian Studies. Complex societies; ethnohistory; culture contact and change; the Far East, particularly China. Publ. Co-auth, Jordan: its people, its society, its culture, Human Rels. Area Files, 56; Japan, U.S. Govt. Printing Off, 61; auth, The Mission of Matteo Ricci, S.J. a case study of an effort at guided culture change in China in the sixteenth century, Monumenta Serica, Vol. XXV: 1-168. Address: School of International Service, American University, Massachusetts & Nebraska Ave, Washington, D.C. 20016.

HARRIS, DR. JANICE WINIFRED (MRS. REX D. HOPPER). Sociology. See A.K Vol, 11th ed, Soc. & Behav. Vols. New position: Sr. res. scientist, Human Sci. Res. Inc, McLean, Va, 69- Address: 824 25th St. N.W, Washington, D.C. 20037.

HARRIS, DR. K(ATHERINE) S(AFFORD). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Prof, City Univ. N.Y, 70-; assoc, Haskins Labs. Address: Graduate Center, City University of New York, 33 W. 42nd St, New York, N.Y. 10036.

HARRIS, DR. LAUREN. Developmental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Psychology, Michigan State University, East Lansing, Mich. 48823.

HARRIS, DR. PHILIP ROBERT, b. Brooklyn, N.Y. Jan. 22, 26; m. 65. BE-HAVIORAL SCIENCE, MANAGEMENT PSYCHOLOGY. B. B.A., St. John's, 48; M.S. Fordham, 52, Ph.D. (psychol), 56. Guid, dir. Y. St. Farcis Prep. Sch. N.Y., 56-C. prec. dev. Prop. Sch. M. (1998), 18. Sch. Prop. Color, 1998, 1999,

HARRIS, DR. RICHARD J(EROME), b. Vicksburg, Miss, May 17, 40; m. 65; c. 2. PSYCHOLOGY, B.S. Wisconsin, 63; M.A., Stanford, 66, Ph.D. (psychol), 68, Instr. psychol. & Sociol, Talladega Col, 65-66; res. assoc. PSY-CHOL, behav. res. iab, Palo Alto Vet. Admin. Hosp, Calif, 67-68; ASST. PROF, NEW MEXICO, 68. Lett., sr. honors seminar, Stanford, 68; Nat. Insts. Health grant, 70. Psychol. Asn. Post-decision attitude change; experimental games. Publ: beterministic nature of probabilistic choices among identifiable stimuli, J. Exp. Psychol, 79: 552-560, Dissonance or sour grapes? post-decision changes in ratings and choice frequencies, J. Personality & Soc. Psychol, 11: 334-344; Note on optimal policies for the prisoner's dilemma, Psychol. Rev, 76: 363-375. Address: Dept. of Psychology, University of New Mexico, Albuquerque, N.Mex. 87106.

HARRIS, PROF. ROBERT E. G, b. Bloomington, Ind, Apr. 3, 03; m. 25; c. 1. SOCIAL SCIENCES, COMMUNICATIONS. A.B, Indiana, 25, A. M., 26; Yale, 26-27; Southern California, 28-29. Instr. Eng., & French, Bucknell, 25-26; Col. Prep. Sch, Conn, 28-27; Eng. & journalism, Los Angeles City Col, 29-42; ed. Los Angeles Daily News, 45-50; PROF. JOURNALISM, CALIFORNIA, LOS ANGELES, 50-, chmm. dept. 55-60. Ed. columnist, Los Angeles Times, 50-53; U.S. State Dept. specialist, Turkey & Iran, 39; Del Amb Found. fel, Spain, 60; ed-in-chief, Capricorn TV Enterprise, 62; decensult, Fonder Los Commiss, 68; guest prof. inst. journal fines, 50; decensult, Fonder Los Mag., 49-59; countit, White House, Wash, D.C. 52. U.S. N.R, 42-44, Lt. Spanish press, Vienna postwar press. Publ: The press in an authoritarian

state, 63, The Spanish press in transition, 66 & What Vienna's editors think, 69, Univ. Califonia, Los Angeles. Address: 1413 Thayer Ave, Los Angeles, Calif. 9024.

HARRIS, PROF. ROBERT J(ENNINGS). Political Science. See A-K Vol., 11th ed, Soc. & Behav. Vols. New position: James Hart prof. govt. & prof. hist, 68-, University of Virginia, 252 Cabell Hall, Charlottesville, Va. 22903.

HARRIS, DR. ROY DUANE, b. Palestine, Tex, Dec. 4, 34; m. 60; c. 2. BUSI-NESS ADMINISTRATION, OPERATIONS MANAGEMENT. B. S.M. E., Texas, 58, M.S.M. E., 60; Ph.D. (oper. mgl), California, 65. Instr. mech. eng, TEXAS, AUSTIN, 60, asst. prot. MGT, 55-68, ASSOC, PROF, 68- Res. engr, California, Los Angeles, 65; summers, asst. to tgr. Elbrascope Div. Gen. Precision, Inc, 63. Consult. to mgr. mfg, Interstate Electronic Corp. Calif, 65; consult, Susaan Crane Packaging, Inc, Tex, 89; Manned Space-card Center, summer 69. Inst. Mgt. Sci; Inst. Indust. Eng. Cost effectiveness analysis; Jobshop scheduling; program management. Publ: An empirical investigation and model proposal of a Jobshop like queueing system, West. Mgt. Sci. Inst. Univ. Calif, Los Angeles, 965; A cost-effectiveness model to facilities layout, J. Indust. Eng. 6767; A leasibility study in time-sharing management gaming, Grad. Sch. Bus, Univ. Tex, 11/67. Address: Dept. of Management, University of Texas at Austin, Austin, Tex. 7812.

HARRIS, DR. SANDRA L(EE), b. Seattle, Wash, Apr. 15, 42. PSYCHOLOGY, B.A. Maryland, 64; Ph.D.(clin, psychol), State Univ. N.Y. Buffalo, 70. Psychol. intern, St. Elizabeths Hosp, 66-67; psychol. clin, State Univ. N.Y. Buffalo, 67-68; field assessment officer, Peace Corps, 68; teaching assoc. psychiat, E.J. Meyer Hosp, 68-69; ASST. PROF. PSYCHOL, DOUGLASS COL, RUTGERS, 69- Clinical psychology, psychotherapy; experimenter and subject variables. Publ. Co-auth, Sexual aspects of Rorschach administration, 69 & Sexual aspects of TAT administration, 70, Consult. & Clin. Psychol, 70. Address: Dept. of Psychology, Douglass College, Rutgers, The State University, New Brunswick, N.J. 08903.

HARRIS, DR. THOMAS M, b. Hong Kong, China, Apr. 19, 36; U.S. citizen; m. 67; c. 1. SOCIAL PSYCHOLOGY. Ph.D. (soc. psychol), Columbia, 66, Vol, U.S. Peace Corps, Keta, Ghana, 62-64; instr. PSYCHOL, Bloomfield Col, 65-66; asst. prol, WIS. STATE, LA CROSE, 66-68, ASSOC. PROF, 68-Psychol. Asn. Attude measurement and change; group dynamics; personality development. Address: Dept. of Psychology, Wisconsin State University, La Crosse, Wis. 54601.

HARRISON, DR. BETTY D, b. Kemmerer, Wyo, Nov. 1, 28; m. 46; c. 2. ED-UCATIONAL PSYCHOLOGY. B.S. Brigham Young, 59, M.S., 60, Ph.D. (ed. psychol), 65. Res. asst, BRIGHAM YOUNG, 59-66, instr. ed. psychol, 60-65, asst. prof. ed. psychol, spec. ed. & res. & coordinator ed. center, 65-67, ASSOC. PROF. ED. PSYCHOL. & LEARNING DISABILITIES, 67-, sumer coordinator ed. center, 61-69. Asst. prof, Hawaii, 67-68. Consult, Title 1 & II Projs, 65- Coun. Except. Children; Asn. Children with Learning Difficulties. Learning and learning problems. Publ: Co-auth, Remedial reading handbook, 64. Learning disabilities handbook, 69. Utah State; auth, Creative communications, UART Jour, fall 65. Address: Dept. of Educational Psychology & Learning Disabilities, 117 College Hall, Brigham Young University, Provo, Utah 84601.

HARRISON, DR. JOHN P. Latin American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

HARRISON, DR. WILLIAM M, b. Los Angeles, Calif, Dec. 22, 26; m. 60; c. 2. ANTHROPOLOGY, ARCHAEOLOGY. B.A, California, Santa Barbara, 54; Ph.D. (anthrop), Arizona, 65. Res. assoc. archaeol, California, Santa Barbara, 57-59; ASST. PROF. ANTHROP, American Univ, 62-66; MASSA-CHUSETTS, AMHERST, 66. U.S.M.C., 43-46. AAAS; Anthrop. Asn; Soc. Am. Archaeol. Archaeological research in Southern California, American Southwest, New England and Middle Atlantic States. Publ: Mikiw: a coastal Chumash village, 66 & co-auth, An archaeological sequence for the hunting people of Santa Barbara, California, 67, Archaeol. Surv. Annual Report, Univ. Calif. Address: Dept. of Anthropology, University of Massachusetts, Amherst, Mass. 01002.

HARRY, DR. JOSEPH, b. Palmetto, Fla, Oct. 5, 37. SOCIOLOGY. B.A, Reed Col, 61; M.A, Oregon, 66, Ph.D. (sociol), 68. ASST. PROF. SOCIOL, WAYNE STATE, 68- Sociol. Ass, Rural Sociol. Soc. Organizations; natural resources; leisure. Publ: Co-auth, The conservation movement, J. Leisure Res, 9/69; auth, Social participation and family localism, Am. J. Sociol, 3/70; A by-product theory of primary behavior, Pac. Sociol. Rev, 3/70. Address: Dept. of Sociology, Wayne State University, Detroit, Mich. 48202.

HARSHBARGER, DR. CHARLES EDWARD, b. Tuscola, III, Oct. 12, 40; m. 62; c. 2. AGRICULTURAL ECONOMICS. B.S. Illinois, 62, M.S. 63, Ph. D. (agr. econ), Purdue, 69. Res. asst. AGR. econ. Illinois, 62-63; Purdue, 63-66; asst. prof, Missouri-Columbia, 66-70; RES. ECONOMIST, FED. RESERVE BANK KANSAS CITY, 70- Agr. Econ. Asn. Economics of firm growth; forage production; financial management. Publ: Co-auth, Economics of soil conservation on swygert soils, III. Agr. Econ. 64 & Economic analysis of effects of soil loss on crop yields, J. Soil & Water Conserv, 64. Address: Federal Reserve Bank, Kansas City, Mo. 64106.

HART, DR. B(ENSON) H(AMBLETON). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Corp. financial economist, 68-, McGraw-Hill, Inc, 330 W. 42nd St, New York, N.Y. 10036.

HART, DR. HERBERT CARLITON. Psychology, Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chief, psychol. serv, 68-, Veterans Administration Center, 1500 Woodrow Wilson Dr, Jackson, Miss. 39216.

HART, DR. JAMES JOSEPH, b. Flint, Mich, Nov. 27, 35; m. 64; c. 2. PSY-CHOLOGY. B.A.; Western Michigan, 57; M.A.; Missouri, 61, Ph.D.(psychol), 64. Res. psychologist, Army Med. Labs, Edgewood Arsenal, Md, 63-66;

ASSOC. PROF. PSYCHOL, Park Col, 66-69; MADISON COL, 69- Med. Serv.C, U.S.A, 63-66. Psychol. Asn. Study of individual differences in human learning. Publ: Equivalence range and ego threat, Psychotherapy, 66; Assessing individual differences in motivation and their effect on performance of number facility, 67 & co-auth, Practice effect on number facility performance, 69, Psychol. Reports. Address: 79 Laurel St, Harrisonburg, Va. 22801.

HART, PROF. J(OHN) FRASER. Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Ed, Annals. Asn. Am. Geogr. Address: Dept. of Geography, University of Minnesota, Minneapolis, Minn. 54455.

HART, JOHN N. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 157 Hudson St, Hudson, Ohio 44236.

Change of aduress: 197 musors St, muson, 0, mo 442.8.

HART, DR. JOSEPH TATE, b. South Pittsburg, Tenn, May 5, 30; m. 53; c. 6.

INTERNATIONAL RELATIONS, POLITICAL SCIENCE. B.A, Emory & Henry Col. 51; M.A, Duke, 53; Ph.D. (int. rels), American Univ, 67. Staff officer, security eval. bd, Nat. Security Agency, U.S. Govt, D.C, 56-66; mem. prfnl. staff, strategic studies group, Opers. Res. Off, Hopkins Univ, 60-61; strategic studies div, RES. ANAL. CORP, 61-63, study chmn, 63-64, proj. dir. Latin Am. & African studies, 64-69, PROJ. DIR. INT. POLICY STUDIES, 69- Intel. C, U.S.A, 53-56. Polit. Sci. Asn; Soc. Int. Develop; Nat. Planning Asn; World Future Soc. Projection of international relations; United States policy problems; simulation of international relations; United States policy in the developing regions; implications of advancing technology in international affairs. Publ: Co-auth, Strategic analysis of Latin America, 1965-1975, 7/66, Strategic analysis of tropical Africa, 1967-1977, 7/68 & U.S. strategic interests in Latin American countries, 2/69, Res. Anal. Corp. Address: 1120 Balls Hill Rd, McLean, Va. 22101.

Address: 1120 Balls Hill Rd, McLean, Va. 22101.

HARTBAUER, DR. ROY ELDEN, b. Grand Forks, N.Dak, Apr. 20, 24; m. 48; c. 3. AUDIOLOGY, SPEECH PATHOLOGY. B.Th, Walla Walla Col, 50; M.A, Southern California, 61; Ph.D. (speech), Mich. State, 67. Prin, Bellingham Jr. Acad, Wash, 50-52; Brookside Jr. Acad, Yakima, 52-54; San Francisco Jr. Acad, Calif., 54-67; audiologist, Loma Linda, 58-62; chmn. dept. speech, Atlantic Union Col, 62-64; prof. speech, chmn. dept. & dir. speech & hearing clin, Walla Walla Col, 64-70; ASSOC. PROF. SPEECH PATH. & AUDIOL, WEST. WASH. STATE COL, 70. Dir. audiol. clin, White Mem. Med. Center, Los Angeles, 58-62; vis. prof. & speech path. consult, Wash. State Penitentiary, 64-2; ad), prof. Andrews, 99-70. Consult, Los Angeles Co. Hosp. Ear. Nose & Throat Clin, 59-62; White Mem. Hosp. Cerebral Palsy Clin, 60-62; Bay State Soc. Crippled & Handicapped, Mass, 62-63; County Dept. Ed, 67-; speech bathologist, Berrien Co. Intermediate Sch. Dist, Mich, 98-70; dir. dept. speech & hearing ther, Mem. Hosp, St. Joseph, Mich. U.S.A, 44-48, S/Sgt. Speech & Hearing Asn; Speech Asn. Am. Perception of duration of sound by hearing handicapped persons, vocational rehabilitation of hearing handicapped; theo-therapy for the speech handicapped. Publ: An introduction to your child who has hearing impairment, Loma Linda Univ. 67; I kneeled to pray, College Press, 67; The challenge of special education, J. Adventist Ed, 5/68. Address: Dept. of Speech Pathology & Audiology, Western Washington State College, Bellingham, Wash. 98225.

HARTER, DR. CARL LEROY, b. Bern, Kans, Apr. 15, 36; m. 61; c. 1. SOCI-OLOGY. B. A, Kans, State Teachers Col, 58, M.S., 59; Cornell, 60-61; Soc. Sci. Res. Coun. fel, Tulane, 64-65; Ph.O. (sociol, 66. Instr. sociol. & asst. dir. admissions, Kans. State Teachers Col, 59-60; asst. & acad. dir. Inst. Mex.-N.Am. Cult. Rels, Mex., 61-62; instr. SOCIOL, TULANE, 65-66, asst. prof., 66-68, ASSOC. PROF. SOCIOL. & EXEC. DIR. URBAN STUD. CENTER, 68-7, res. assoc. pop. studies unit, 65-66, dir. center pop. & family studies, 66-68. Milbank Mem. Fund faculty fel, 67-71. Consult, Pop. Coun. Abortion Study Group, 66; Orleans Parish Sch. Bd, 67-68; Interracial Coun. Bus. opportunity, New Orleans, 68-; New Orleans City Planning Cmn, 69-; summer, Comite Univ. Invest. on Pop. Valle, Columbia, 66. U.S.A. R, 55-83. Sociol. Asi; Pop. Asin. Am; Pub. Health Asi; Nat. Coun. Family Rels. Social demography and family planning; sociology of the family; urbas sociology. Publ: The power roles of intellectuals: an introductory statement, Sociol. & Soc. Res., 1/64; co-auth. A survey concerning induced abortions in New Orleans, Am. J. Pub. Health, 11/67; auth, Male fertility in New Orleans, Demography, Vol. 5, No. 1. Address: Urban Studies Center, Tulane University, New Orleans, La. 70118.

HARTER, DR. WALTER G, b. Canton, Ohio, Mar. 29, 23; m. 49; c. 2. AGRI-CULTURAL ECONOMICS. B.S., Ohio State, 48, M.S., 64, Ph.D.(agr. econ), 67. County agent, Ohio State, 55-63, exten. economist, 53-68; HEAD EXTEN. FARM MCT. DEPT, GEORGÍA, 68- Consult, Off. Econ. Opportunity, 69- U.S.A.A.F, 34-66, ist Lt. Agr. Econ. Asn. Determination of the cost of producing milk; analyzation of the farm labor supply and demand. Address: Extension Farm Management Dept, University of Georgia, Athens, Ga. 30601.

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HARTLEY, DEAN EUGENE L(EONARD). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: College of Community Sciences, University of Wisconsin-Green Bay, 120 S. University Circle Dr, Green Bay, Wis. 54305.

HARTLEY, PROF. HAROLD V, JR, b. Lenoxville, Pa, Feb. 5, 31; m. 56; c. 3. SPEECH PATHOLOGY, AUDIOLOGY. B.S., Bloomsburg State Col., 52; M.Ed, Pa. State, 53. Clinician speech & hearing, Mercer County Crippled Children's Soc, Pa, 54-55; supvr. pub. sebs, Sharon, Pa, 55-62; audiologist, Pa. State, 62-63; ASSOC. PROF. & COORDINATOR SPEECH PATH. & AUDIOL, CLARION STATE COL, 63- Lectr, Pa. State, 58-67. Consult, Jefferson & Clarion Counties Presch. Prog. off. Econ. Opportunity, 66- U.S.A, 52-54. Speech & Hearing Asn; Asn. Study Ed. Audiology; stuttering; language diagnosis. Publ: Sudden onset of hearing loss—another case, J. Speech & Hearing, 64; Relationship between Bekesy fixed frequency and conventional

audiometry with children, J. Audiol. Res; Errors made by student clinicians during articulation, J. Pa. Speech & Hearing Asn. Address: Speech & Hearing Clinic, Clarion State College, Clarion, Pa. 16214.

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HARTMAN, PROF. BERNARD-THOMAS, b. Manhattan, N.Y., Aug. 26, 23; m. 58; c. 3. SPEECH & HEARING PATHOLOGY. B.A. Denver, 49, M.A., 51; Fulbright study award, 05to, 57-58; Ph.D. Indiana, 62. See Speec. therapies, North. Wis. Colony & Training Sch. Wis, 53-57; dir. speece therapied ept. Muscatatuck State Hosp, Ind. 68-62; adminstr. speece & hearing dept. New Castle State Hosp, Ind. 62-67; PROF. SPEECH PATH. & DIR. SPEECH & HEARING DEPT, STEPHEN F. AUSTIN STATE, 67-U.S.A. 43-46, Syt. Speech & Hearing Asn; Asn. Ment. Deficiency; Int. Coun. Except. Children. Speech behology and its relationship to behavioral disciplines and to neuropathologic disorders; special education. Publ: Co-auth, Auditory dedifferentiation in dysphasics, J. Speech & Hearing Disorders, 6/56; auth, Therapeutic value of hearing aids for institutionalized mentally retarded, Am. J. on Ment. Deficiency, 3/58; co-auth, The use of a black light apparatus to reduce attention scatter in brain-injured children, J. Learning Disabilities, 8/69. Address: Dept. of Speech, Stephen F. Austin State University, Nacogdoches, Tex. 75962.

HARTMAN, DR. JOHN J(ACOB). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & head, 68-, Dept. of Sociology, Wichita State University, Wichita, Kans. 67208.

HARTMAN, PROF. ROBERT S. Philosophy, Axiology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.

HARTMANN, DR. ERNEST LOUIS. Psychiatry. See A-K Vol., 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. psychiat, sch. med, Tufts, 69-New publ: Ed, Sleep & dreaming, Little, 70. Address: Boston State Hospital, 591 Morton St, Boston, Mass. 02124.

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HARTMANS, DR. E(RMOND) H(ENRI), b. Margraten, Holland, Nov. 11, 20; U.S. citizen; m. 48; c. 3. AGRONOMY, AGRICULTURAL ECONOMICS, M.S. Wageningen, 47; Ph.D. (agr. econ), Mich. State, 50, Researcher, Agr. Econ. Res. Inst, The Hague, Holland, 50-51; chief agr. econ. state exten, Serv. Holland, 51-53; asst. prof. ext. econ. Minnesota, 53-57, assoc. prof, 57-59; tech. officer, Rural Inst. Div. Food & Agr. Orgn. UN, Rome, 59-60, tech. asst. head agr. dept, 60-62, proj. mgr. agr. res. inst, UN develop, prog. spec. fund proj. Cyprus, 62-65, chief, Near East, N.Africa & European region, prog. develop, world food prog. Rome, 65-68, spec. asst. to dir-gen, FOOD & AGR. ORGN. UN, ROME, 68-69, DIR. AGS SERV. DIV, 69- Farm management; agricultural engineering; food and agricultural industries. Address: Viale S.S. Pietro e Paolo 44, Rome, Italy.

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HARTOCOLLIS, DR. PETER. Psychology, Psychiatry. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. res, C.F. Menninger Mem. Hosp, 69- Address: Menninger Foundation, Topeka, Kans. 66601.

HARTSTEIN, DR. JACOB I. Educational Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Univ. prof, City Univ. N.Y, 69- Address: 11-25 Virginia St, Far Rockaway, N.Y. 11691.

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HARVEY, DR. RICHARD B. Political Science. See A-K Vol., 11th ed, Soc. & Behav. Vols. New position: Prof., 70-, Dept. of Political Science, Whittier College, Whittier, Calif. 90608.

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HARWARD, PROF. NAOMI MARKEE. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also acting dir, 69-, Dept. of Sociology, Division of Undergraduate Social Welfare, Arizona State University, Tempe, Ariz.

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- HARWOOD, DR. ALAN, b. Tarrytown, N.Y, Mar. 20, 35; m. 67. ANTHRO-POLOGY. A.B., Harvard Col, 57; Soc. Sci. Res. Coun. fel, London Sch. Econ, 57-58; M.A., Michigan, 60; Ph.D. (anthrop), Columbia, 67. Vis. asst. prof. anthrop, Brown, 65-66; ASSOC. RES. SCIENTIST, N.Y. UNIV, 67- Carnegie Corp. grant, 68-70. Anthrop. Asn.; Ethnol. Soc. Social anthropology and urban anthropology. Publ: Witchcraft, sorcery and social categories among the Safwa of Tanzania, Oxford Univ, 70; Beer drinking and famine in a Safwa village; a case of adaptation in a time of crisis, Proc. E.Africa Inst. Soc. Res, 64. Address: Dept. of Anthropology, New York University, New York, N.Y. 10003.
- HASBARGEN, DR. PAUL R, b. Menagha, Minn, Aug. 5, 29; m. 56; c. 2. AGRICULTURAL ECONOMICS. B.S, Minnesota, 52, M.S, 56; Ph.D.(agr. econ), Minnesota, 67. Instr., Graceville High Sch, 52-53; res. assoc. agr. econ, Minnesota, 55-56; asst. county exten. agent, Clay County, Minn, 56-57; EXTEN. ECONOMIST. MINNESOTA, ST. PAUL, 57- U.S. A, 53-54. Agr. Econ. Asn. Farm management and agricultural prices. Publ: Co-auth, The competitive position of cattle feeding in the northern corn belt, Mich. State Univ, 68 & Economic comparisons of hay harvesting, storing and feeding systems for beef cow herds, Inst. Agr, Univ. Minnesota, 69. Address: Dept. of Agricultural Economics, University of Minnesota, St. Paul, Minn. 55101.
- HASEMAN, PROF. W(ILBER) C(ARY). Accounting. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also assoc. dean, Missouri-Columbia, 69- Address: 813 Greenwood Court, Columbia, Mo. 65201.
- HASKELL, EDWARD F(RÖLICH). Scientific Synthesis. See Suppl.V to 11th ed, Phys. & Biol. Vols.
- HASKINS, PROF. EDWARD COOPER. Geography, Anthropology. See 11th ed, Soc. & Behav. Vols, deceased 69.
- HASLEM, DR. JOHN ARTHUR. Business Administration, Finance. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position & address: Assoc. prof. finance, 69-. College of Business & Public Administration, University of Maryland, College Park, Md. 20742.
- HASS, DR. WILBUR A. Psychology, Psycholinguistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Faculty mem, 69-, Shimer College, Mt. Carroll, III. 61053.
- HASSELL, EDWARD W(ARREN). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Independent econ. consult, 70- Address: 3250 N.E. 28th St. Ft. Lauderdale, Fla. 3308C
- HASSOL PROF. LEONARD, b. New York, N.Y. Feb. 11, 24; m. 53; c. 5. COMMUNITY PSYCHOLOGY. B.A, Brooklyn Col, 47; Ph.D. (psychol), Boston, 62. Psychologist, S. Shore Ment. Health Center, 97-60, chief community consultation serv, 62-67; res. assoc, sch. pub. health, Harvard, 60-62; assoc, prot. COMMUNITY PSYCHOL, Pa. Sate, 67-69; PROF. WHEATON COL, 69- Training consult, Off. Ment. Health, Pa. 67-; Social Dynamics, Inc. 69-; res. consult, Nat. Training Lab, 69- USN, 43-46. Fel. Psychol. Asn. Personality theory; child psychology; abnormal psychology; community mental health and psychology. Publ: Mental health consultation in a preventive context, In: The practice of community mental health, Little, 70; Adults and adolescents: an experiment in mutual education, In: Community psychology and mental health, Chandler, 70; Consultation of a national teacher corps program. Human Relations Training, News, Vol. 13, No. 4. Address: 22 Ridge Ave, Newton Center, Mass. 02159.
- HASSOL, DR. MILTON DAVID. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- HASTINGS, ANDREW D(EWEY), JR. Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 6 Lakeview Gardens, Natick, Mass. 01760.
- HASTINGS, PROF. GLEN R, b. Frederick, Okla, Aug. 28, 22; m. 46; c. 3. PSYCHOLOGY, EDUCATION. B. A, Cent State Col. (Okla), 47; M.Ed, Oklahoma, 52, 1el, 59-60, Ph.D.(ed. psychol), 62. Supt. Geronimo Pub. Schs, Okla, 50-56; instr. instructional res, U.S. Army Artillery & Missile Sch, 56-58, chief ed. serv. sect, 58-59, asst. prof. ed. psychol, Northern Iowa, 60-63; supt. Chickasha Pub. Schs, Okla, 63-66; assoc. prof. ED. PSYCHOL, NORTHERN IOWA, 66-69, PROF. 69-, univ. grant, 66-67. Participant, programmed instr. inst, Univ. Chicago, 63; Minn. Mining & Mig. Co. res. grant, 64. U.S.A. & F. 44-65; U.S.A. R, 46-, Lt. Col. Nat. Soc. Study Ed; Ed. Res. Asn; Nat. Coun. Measurement Ed. Relationship between behavioral objectives and accuracy of measurement of learning using classroom teacher developed measuring instruments, techniques for the objective evaluation of classroom teaching competencies. Publi: Programmed edipting classroom tests, Minam services, Midland Schs, 57. Address: Dept. of Psychology, University of Northern Iowa, Cedar Falls, Iowa 50613.
- HASTORF, DEAN ALBERT H(ERMAN). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dean humanities & sci, Stanford, 70- Address: 571 Foothill Rd, Stanford, Calif. 94305.
- HASTY, LT. COL. G(ERALD) R(ICHARD), U.S.A. Political Science, Business Management. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Exec. asst. joint logistics rev. bd, Off. Secy. Defense, 69- Address: 8316 Wagonw
- HATCH, DR. CARL EUGENE. Recent American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

- HATCH, PROF. DAVID L(INCOLN). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chum, 69-, Dept. of Anthropology & Sociology, University of South Carolina, Columbia, S.C. 29208.
- HATCH, DR. EVELYN, b. Cedar Falls, lowa, Dec. 5, 30; div. c. 2. LINGUIS-TICS, EDUCATION: Ford Found, fel, California, Los Angeles, 66, M. A, 67, Ph.D. (ed. Iting), 69. Instr. Eng, American Univ. Cairo, 63-65; M. St. Mary's Col, 65-67; assoc. res. design. Southwest Regional Lab, 67-69; ASST. PROF. ENG, CALIFORNIA, LOS ANGELES, 69. Teacher trainer, Nigerian & Ethiopian Progs, Peace Corps, 65. Consult, Southwest. Regional Lab, 69- Ed. Res. Asn; Ling. Soc. Am. First and second language acquisitin; effects of dialect on the acquisition of standard English and on reading skills. Publ: Co-auth, Five year old responses to coordinate sentences, auth, Four experimental studies in child language acquisition & Syntax of four reading programs..., Southwest Regional Lab, 69. Address: Dept. of English, University of California, 405 Hilgard, Los Angeles, Calif. 90024.
- HATCHER, DR. EVELYN PAYNE, b. Chicago, Ill., 300.24; m. 35; c. 1.

 ANTHROPOLOGY. B.A, California, Los Angeles, 42; M.A, Chicago, 54;

 Ph.D. (anthrop), Minnesota, 67. Instr. ANTHROP, Minnesota, 62-67; asst. prof., ST. CLOUD STATE COL, 67-69, ASSOC. PROF, 69- Fel. Anthrop, Ethnol. Soc. Visual art as a cultural phenomena; non-verbal communication; relation of graphic arts to other aspects of culture and society. Publ. Co-auth, Diet of a Tarascan village, Am. Indigena, 43; Manual for introductory anthropology, Burgess, 52 & rev. ed, 67; auth, Navaho art: a methodological study in visual communication, Intermittent, 67. Address: Dept. of Sociology & Anthropology, St. Cloud State College, St. Cloud, Minn. 56301.
- HATFIELD, LT. COL. JIMMY L, U.S.A. Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Chief, biomed. stress res. div, 69-, U.S. Army Medical Research & Development Command, Washington, D.C. 20314.
- HATHAWAY, PROF. DALE E(RNEST). Agricultural Economics. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn. dept. agr econ, Mich. State, 69- Address: 345 Whitehills Dr, East Lansing, Mich. 46979.
- HATTERY, DR. ROBERT W(ILBER). International Relations. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also acting dir. West European Studies & adj. assoc. prof. polit. sci, Indiana, Bloomington, no longer asst. dean univ. exten. Address: Division of Continuing Education, Indiana University, 301 Owen Hall, Bloomington, Ind. 4701.
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- HAUK, SISTER MARY URSULA, R.S.M., b. Altoona, Pa., July 24, 10. GEOGRAPHY. A.B. Col. Misericordia, 47; M.A. Catholic Univ, 53; fel, Clark, 55-58, Ph.D. (geog), 58. Teacher, 5t. Nicholas Sch, Pa., 30-37; St. Joseph Sch, 37-45; Cent. Cath. High Sch, 45-50; prin, St. Columba Sch, 50-51; instr. geog, Mt. Aloysius Jr. Col, 51-59, registr, 52-55; coordinating ed. elemetxbooks, Allyn & Bacon, Inc, 59-62; chmn. dept. soc. sci, MT. ALDYSIUS JR. COL, 62-69, PRES, 66- Summers, vis. instr. Catholic Univ, 54, Col. Misericordia, 55. U.S. del. to UNESCO Seminar, Montreal, Can, 50. Asn. Am. Geog; Nat. Coun. Geog. Ed. Improvement and extension of geography teaching in schools and colleges; changing patterns of Catholic population in the United States. Publ: Geography gateways, Book 5, Allyn & Bacon, 67; auth, Geography in today's world, Cath. Sch. J. Address: Mt. Aloysius Junior College, Cresson, Pa. 16630.
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- HAURI, DR. PETER. Clinical Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- HAUSKNECHT, PROF. MURRAY. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, Lehman Col, 70- Address: 33-60 21st St, Long Island City, N.Y. 11106.
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 ASST. PROF. econ, N.C. State, 67-69. ECON. & SCO. POLICY, BRANDEIS,
 70- Consult, Nat. Manpower Policy Task Force Assocs, 68- Econ. Asn;
 Indust. Rels. Asn. Income maintenance; manpower programs; urban economics. Publ: Potential for work among welfare parents, U.S. Dept. Labor,
 69; From welfare rolls to payrolls?, In. Public and private manpower policies, Indust. Rels. Res. Asn, 69; Potential for self-support among AFDC
 recipients, South. Econ. J. 7/69. Address: Dept. of Economics, Brandeis
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- HAUSMAN, DR. WILLIAM, b. Brooklyn, N.Y, July 25, 25; m. 47; c. 4. PSY-CHIATRY. Miami (Ohio), 43; M.D. Washington (St. Louis), 47. Chief medres: proj. psychiat, U.S. Army Hosp, N.Y, 52-56; asst. chief, LeHerman Army Hosp, Calif, 38-62; chief behav. sci. res. br, U.S. Army Med. Res. & Develop. Command, D.C., 62-58; associ. dir. div. neuropsychiat, Walter Reed

Army Inst. Res, 65-66; ASSOC. PROF. PSYCHIAT, SCH. MED, HOPKINS, 66- Consult, Walter Reed Army Inst. Res, 66-; Soc. Security Admin, Baltimore, Md, 68-; Dir. Ment. Health, Baltimore Co, Md, 68-; U.S. Air Force Acad, 68- Mem. exec. cmt, cmn. on hearing & bioacoustics & cmt. on vision, Nat. Res. Coun, 62-65; mem. bd. dirs, Mt. Holyoke Clin. Process Conf, 67- Cert, psychiat, Am. Bd. Psychiat. & Neurol, 53. U.S.N.R, 42-47, Med.C, U.S.A, 49-66, Col. (Ret). AAAS; fel. Psychiat. Asn; Interam. Psychol. Asn; pub. Health Asn. Personnel selection; group process; military psychiatry; social and preventive psychiatry; student mental health. Address: Dept. of Psychiatry, Johns Hopkins University School of Medicine, Baltimore, Md. 21205.

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HAVRILESKY, DR. THOMAS MICHAELD, b. Johnstown, Pa, Mar. 18, 39; ECONOMICS. B.S, Pennsylvania State, 60, M.A, 63; univ. fel, Illinois, 65, Fed. Res. Bank Chicago fel. & Ph.D. (econ), 66. Asst. prof. ECON, Maryland, 66-69; ASSOC. PROF, DUEK, 69-8 Res. grant, Maryland, summer 68; Duke, 69-70; vis. assoc. prof, Rice, 70-71. Financial consult, City of Baltimore, 67-68; ed. consult, Sterling Inst, D.C, 68-69. Econ. Asn; Finance Asn; Asn. Evolutionary Econ. Optimal monetary policy targets; share stability studies in the cigarretie industry; economics of crime & pollution; experiments in teaching methods in economics; monetary history. Publ: Coauth, The supply of and demand for money in macroeconomic theory, Allyn & Bacon, 71; auth, A test of monetary policy action, J. Polit. Econ, 6/67; coauth, Tests for market share stability in the cigarretie industry, J. Indust. Econ, 4/69. Address: Dept. of Economics, Duke University, Durham, N.C. 27706.

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HAWES, PROF. HOMER HUGHES. History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

HAWES, DR. WILLIAM. Communications. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

HAWK, DR. HUGH K(YLE). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Comptroller, 69-, Defense Industrial Supply Center, 700 Robbins Ave, Philadelphia, Pa. 19111.

HAWK, DR. SARA S(TINCHFIELD). Psychology. See 11th ed, Soc. & Behav. Vols, deceased.

HAWKES, DR. MARY QUARLES. Sociology. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. sociol, Wheelock Col, 68- Address: 67 Carlton St, Brookline, Mass. 02146.

HAWKINS, PROF. NORMAN G(ILBERT). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Consult, Choice, 67- Address: Dept. of Sociology, Slippery Rock State College, Slippery Rock, pa. 16057.

HAWKINS, DR. THOMAS WILLIAM, JR. Mathematics, History of Science. See Suppl. V to 11th ed, Phys. & Biol. Vols.

HAWKINS, DR. WILLIAM ANDREW, b. New Orleans, La, Nov. 10, 21; m. 52; c. 4. PSYCHOLOGY. B.S. Loyola (La), 49; M.A. La. State, 51, Ph.D. 60; cert. alcoholism, Yale, 53. Chief psychologist male serv, Cent. La. State Hosp, 51-53; clin. psychologist & dir. Evangeline Area Guid. Center, 53-55; Lafayette Ment. Health Treatment Center, 55-57 & 60-61; psycholoconsult, Dept. Hosps, State of La, 56-60, state chief psychologist, 61-62; asst. prof. PSYCHOL, SOUTHWESTERN LOUISLANA, 64-65, ASSOC. PROF, 65-, CHMN. DEPT, 69-, PSYCHOL. CONSULT, STATE DEPT. HOSPS, 62-, LA. STATE BD. HEALTH, 64- Med.C, U.S.M.C, 42-45. Publ: Co-auth, Long-term drug treatment of psychiatric out-patients, diseases of the nervous system. Address: P.O. Box 3131, University of Southwestern Louisiana Station, Lafayette, La. 70501.

HAWKINSON, PROF. JAMES R. Marketing. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Graduate School of Management, Northwestern University, Evanston, III. 60201.

HAWLEY, DEAN CLAUDE E(DWARD). Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Dean col, John Jay Col, City Univ. N.Y. 69 - Address: 5 Tudor City Place, New York, N.Y. 1017.

HAWLEY, DR. JONATHAN P. b. Evanston, Ill. Feb. 17, 38; m. 61; c. 2. PO-LITICAL SCIENCE. B.A, Park Col, 61; M.A, Missouri-Columbia, 63, Ph.D. (polit. sci), 68. Asst. prof. POLIT. SCI, TULSA, 65-70, ASSOC. PROF. & HEAD DEPT, 70- Am. Polit. Sci. Asn. Congressional Ef, 68-69; vis. asst. prof, Missouri-Columbia, summer 68. Polit. Sci. Asn; Acad. Polit. Sci. American government and politics; conservation politics. Address: Dept. of Political Science, University of Tulsa, Tulsa, Okla. 74104.

HAY, PROF. KEITH ALEXANDER JAMES, b. Surbiton, Eng. Mar. 23, 38; Can. citizen; m. 61; c. 1. ECONOMICS. B.Sc. Southampton, 59; M.Sc. Toronto, 61; Brown, 62-65. Lectr. econ, Waterloo, 61-62; res. economist, Guelph, 61-62; asst. prof. ECON, CARLETON, 65-68, ASSOC. PROF, 68-Killam Found. fel, 69-71; summer, Can. Coun. fel, 66. Am. Econ. Asn; Can. Econ. Asn; Royal Econ. Soc. Monetary theory and policy monetary history; economic theory; hospital economics; Canadian-Japanese trade. Publ: Money and business cycles in Canada, J. Folit. Econ, 67; Early twentieth century business: cycles in Canada, 36-68 co-auth, Education and capital misallocation in a growing economy, 68, Can. J. Econ. Address: Dept. of Economics, Rideau River Campus, Carleton University, Ottawa 1, Ont, Can.

HAY, PROF. PETER H(EINRICH). Law, Political Science. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

HAY, DR. RICHARD KIRKWOOD, b. Parsons, Kans, Mar. 8, 42; m. 68. ECO-NOMICS. B.A, Kans. State Col. Pittsburg, 63; Nat. Defense Ed. Act fel. & M.A, Kansas State, 64; Ph.D. (econ), 99. Instr. ECON, Mo. South. Col., 63-64; KANS. STATE COL. PITTSBURG, 64-65, asst. prof, 66-68, ASSOC. PROF, 68- Consult, Kans. Dept. Econ. Develop, 66; Econ. Develop. Admin, U.S. Dept. Commerce & Mid-Am, Inc., 66-68. Econ. Assn. Revealed preference theory and related problems in utility measurement; the incorporation of structural considerations in models of regional economic growth. Address: 1206 Imperial Dr., Pittsburg, Kans. 66762.

HAYAKAWA, PRES. SAMUEL ICHIYE. Linguistics. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position: Pres, San Francisco State College, 68-Address: 225 Eldridge Ave, Mill Valley, Calif. 94941.

HAYDEN, DR. BENJAMIN STEPHEN, III, b. Baltimore, Md, July 6, 37; m. 67; c. 1. PSYCHOLOGY. B.S, Loyola Col.(Md), 53; M.A, Fordham, 61, Ph.D. (psychol), 65. Instr. psychol, Fordham, summer 61; Baltimore Jr. Col, 63-64; asst. prof, West. Md. Col, 64-66; fiel. clin. child psychol, ASTOR HOME FOR CHILDREN, 65-67. COORDINATOR PSYCHOL. RES, 67- Intern, Seton Psychiat. Inst, 63-66. Psychol. consult, Rhinebeck Country Sch, 67; res. consult, dd. regents, N.Y. State, 67- Orthopsychiat. Asn: Psychol. Asn. Development of psychological techniques for diagnosing perceptual dysfunction in children; evaluation of residential treatment for emotionally disturbed children; evaluation of the usefulness of play materials in play psychotherapy. Publ: Some norms for the pronounciability of nonsense syllables, Psychol. Reports, 69; co-auth, A residential treatment center moves toward the community mental health model, Child Wellare, 12/69 & Diagnosing minimal brain damage in children, Merrill-Palmer Quart, (in press). Address: Astor Home for Children, Rhinebeck, N.Y. 12572.

HAYDEN, DR. ROBERT G(EORGE). Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. Wash. off, Kirschner Assocs, Inc, 69- Address: 7306 Willow Ave, Takoma Park, Md. 20012.

HAYES, DR. EDWARD JOHN, b. River Rouge, Mich, Aug. 11, 22; m. 49; c. 7. EDUCATIONAL & CLINICAL PSYCHOLOGY. B.A, Eastern Michigan, 50, M.A, 57; Wayne State, 54-58; Ph.D. (ed. psychol), Mich. State, 67. Teacher, pub. schs, Mich, 54-59; sch. psychologist, St. Clair County Intermediate Sch. Dist, 59-65; dir. spec. ed, West. St. Clair County Spec. Ed. Prog, 65-67; asst. prof. ed. psychol, Purdue, Ft. Wayne, 67-69; COORDINATOR RES. CLIN. PSYCHOL. & PSYCHOL. AT TRAVERSE CITY STATE HOSP, 69- Instr., Macomb County Community Col., Mich, 66-67; sr. lectr., Mich. State, 10-2 Ed. Psychol. Asn., Count Spec. ed. prog, Vera Cruz Sch. Dist, Ind., 68-68. Psychol. Asn., Coun. Except. Children. Asn. Ment. Deficiency. Address: 2126 Aspen Dr., Traverse City, Mich. 49684.

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HAYES, DR. LOUIS D(EAN), b. Durango, Colo, Dec. 12, 40; m. 62; c. 2. POLITICAL SCIENCE. B.A. Colorado, 62; M.A. Arizona, 64, Ph.D. (govt), 66. ASST. PROF. POLIT. SCI, Wisconsin-Miwaukee, 66-68; MONTANA, 68-7el, Fulbright Summer Inst. Indian Hist. & Polit. Insts, 68. Polit. Sci. Asn, Asian Studies. Medical Property of the Sci. Asian Sci. Asian Studies. Medical Property of the Sci. Asian Sci. Asia

HAYES, DR. WILLIAM ALLEN, b. Chattanooga, Tenn, Apr. 13, 41; m. 64; c. 1. PSYCHOLOGY. B.A, Dillard, 63; M.A, Fisk, 64; Ph.D. (psychol), George Peabody Col, 69. Lettr. psychol, Fisk, 67-68, asst. prof, 68-69; ASST. PROF, PSYCHOL, DEPT. FAMILY & COMMUNITY HEALTH & SR. SOC. SCIENTIST & RES. COORDINATOR HEALTH SEW. RES. UNIT, MEHARRY MED. COL, 69- Asn. Ment. Deficiency; Pub. Health Asn. Programmed discrimination training for infants and mentally retarded children; preventive training programs for the culturally disast research of the composition of the composition of the composition of the conditioning, 68, Psychonomic Sci; go-auth, Facilitating the acquisition of discrimination learning set with insti-

- tutionalized retarded children, Am. J. Ment. Deficiency, 69. Address: Meharry Medical College, 1501 Herman St, Nashville, Tenn. 37208.
- HAYGOOD, DR. ROBERT C(OLLINS). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Vis. lectr, 69-, Dept. of Psychology, California State College, Long Beach, Calif. 99001.
- HAYMES, PROF. HARMON H(AYDEN). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn, 68-, Dept. of Economics, Virginia Commonwealth University, Richmond, Va. 23220.
- HAYNES, DEAN W(ILLIAM) WARREN. Economics, Business Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dean, 69-, School of Business, State University of New York at Albany, Albany, N, 1203.
- HAYTHORNE, DR. GEORGE V(ICKERS). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Cmnr, Prices & Incomes Cmn, 69-Address: 2190 Alta Vista Dr, Ottawa 8, Ont, Can.
- HAYTON, DR. ROBERT DERYL. International Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- HAYWARD. DR. HERBERT C. b. Statfordshire, Eng. Aug. 30, 16; U.S. citizen; m. 39; c. 2. MANAGEMENT, ORGANIZATIONAL BEHAVIOR. B. A. Akron. 45; Ph. D. (psychol). Tennessee, 56. Clin. psychologist, Knowille Ment. Health Center, 52-54; clin. psychol. trainee, Vet. Admin, 54-56; mgt. psychologists, Knowille Ment. Health Center, 52-54; clin. psychol. trainee, Vet. Admin, 54-56; mgt. psychologists, Rohrer, Hibler & Replogle, 56-59; dir. orgn. & opers, Strong, Cobb Arner, Inc. 59-62; assoc. prof. ed. psychol, Case Western Reserve, 52-63; prof. mgt. Akron, 63-66; ORGN. PSYCHOL. CONSULT, 68- Res. grant, Dept. Health, Ed. & Welfare, 67-69. Consult, Job Core, 67. Behavior of individuals in organizations; executive effective leadership and the pre-requisite behavioral skills. Publ: Co-auth, Taking action in the community, Adult Ed. Asn, 56; The multi-aptitude test, Psychol. Corp, 57; auth, Behavioral science and management, Meirc Int. Press, 69. Address: 2610 Chamberlain Rd, Akron, Ohio 44313.
- HAYWOOD, DR. H(ERBERT) CARL(TON). Psychology. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New information: Kennedy prof. psychol, George Peabody Col, 69-; ed, Am. J. Ment. Deficiency, 69-4A. Address: Dept. of Psychology, George Peabody College, Box 90, Nashville, Tem. 37203.
- HAZARD, DR. WILLIAM RICHARD. Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: V.pres, 70-, Evaluation Research Associates, 6001 Bellast, Austin, Tex. 78727.
- HAZEL, DR. JOE T(HOMAS). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Res. psychologist, personnel res. div, Air Force Human Res. Lab, 69- Address: 7510 Bronco Lane, San Antonio, Tex. 78227.
- HAZELL, JOSEPH WILLIAM. Educational Psychology, Public Health Education. See A-K Vol, 11th ed, Soc. & Behav, Vols. Change of address; 866 Gooding Dr, Albany, Calif. 94706.
- HAZEN, PROF. N. WILLIAM, b. Tantah, Egypt, Jan. 10, 03; U.S. citizen; m. 38; c. 2. MARKETING, INTERNATIONAL BUSINESS. B.S. Paris, 25, B.A., 26; M.A. La State, Baton Rouge, 30; Ph.D. (agr. econ), California, Berkeley, 34. Res. assoc. agr. econ, California, Berkeley, 32-34; economist, U.S. Dept. Agr., Wash, D.C., 34-41, sr. economist, U.S. Bd. Econ. Warfare, 42-44, Allied Control Cmn, Rome, Italy, 44-45; pres, Am. Beacon Corp, Milan, Italy, 46-51; Hazen Metal Prod, Inc, N.Y., 56-65; prof. bus. admin, Kentucky, 66-69, acting chnn. dept, summer 67; PROF. MKT. & INT. BUS, CALIF. STATE COL. LONG BEACH, 69 Summer, vis. prof, California, Berkeley, 68. Econ. Asm. Mkt. Asn. Acad. Mgt. Economics; management; international inance. Publ: Co-auth, Comparative international management, Harper, 70; auth, Overseas high stakes of multinational firms, 11/69 & co-auth, Research in international advertising, 70, Proc. Am. Mkt. Asn. Address: Dept. of Marketing, California State College, Long Beach, Long Beach, Calif. 90801.
- HEACOCK, DR. ROGER L. Modern European History, International Relations. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- HEADLEY, DR. ANNE RENOUF. Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Mem, Nat. Adv. Coun. Grad. Ed, 70-72. Address: Dept. of Political Science, University of North Carolina at Chapel Hill, Chapel Hill, N.C. 27514.
- HEAPHEY, PROF. JAMES J(OSEPH). Public Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir. comp. develop. studies center, State Univ. N.Y. Albany, 69- Address: 12 Park Place, Delmar, N.Y. 12054.
- HEATHER, DEAN GEORGE. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. bus. admin. & dean, 69-, College of Business Administration, University of Nebraska at Omaha, P.O. Box 688, Omaha, Nebr. 68101.
- HEBERT, DR. DAVID JOSEPH, b. Edmundston, N.B., Oct. 27, 39; m. 62; c. 3. COUNSE LING PSYCHOLOGY, EDUCATION. B.S., Maine, 62; M.Ed., Duquesne, 64; Ph.D. (counseling), Kent State, 67. Dir. testing, Duquesne, 63-64; counseling psychologist, Vet. Admin. Center, John Carroll Univ, 66-67; ASST. PHOF. COUNSE, ED. NEW HAMPSHIRE, 67. Psychol. Asn; Personnel & Guid. Asn; Asn. Counsr. Ed. & Supv. Counseling interaction analysis—the process of counseling supervision, various models and potential tor conditioning counselor behavior. Publ: A predictive study of quality point averages in graduate education courses, J. Ed. Res, 66: 218-220; Client-counselor personality need and sex similarity, In: Research in counseling, Peacock, 68; Beyond school counseling, J. Employment Counseling, 4: 173-176. Address: 60 Frost Dr., Durham, N.H. 03824.

- HEBERT, DR. JOHN A, b. Lachine, Que, Apr. 2, 43; U.S. citizen; m. 66. EXPERIMENTAL PSYCHOLOGY. B.A, Lake Forest Col, 64; Ph.D. (psychol), Arizona, 66. ASST. PROF. PSYCHOL, COLORADO STATE, 68. Simple human judgement processes, especially in terms of placing stimuli into logical categories. Publ. Transposition: a reevaluation, Psychol. Bull, 65; co-auth, A theory of stimulus equivalence, Psychol. Rev, 69; auth, Generalization of voluntary response..., Psychonomic Sci, 69. Address: Dept. of Psychology, Colorado State University, Fort Collins, Col. 80521.
- HEBERT, RICHARD L(EO), b. Providence, R.I, Sept. 6, 40; div; c. 2. URBAN AFFAIRS, JOURNALISM. B.S. Florida, 61. Reporter, Atlanta Newspapers, Inc, Ga, 61-69; sr. writer; Int. Inst. Hwy. Safety, 70- Free-lance writer, 69-; consult, Nat. Urban Coalition, 69; summer, field capt, U.S. Cord. Mayor/Nat. League Cities, 69. Urban transportation; urban social planning; urban government and politics; with emphasis on minority problems. Address: 1847 Minitwood Place N.W., Washington, D.C. 20009.
- HECKMAN, DR. ROBERT W(ILLIAM), b. Dayton, Ohio, Feb. 24, 41; m. 64; c. 2. PSYCHOLOGY. B. A. Dayton, 63; Blaik fel. & M.S. Purdue, 65, Ph. D. (indust, psychol), 67. Personnel res. consult, Ford Motor Co, 67-68; MGR. PERSONNEL RES. DEPT. NAT. CASH REGISTER CO, 68-; INSTR. PSY-CHOL. & MBA PROG, DAYTON, 66- Instr. Detroit, 67; Mich. State, 68. Psychol. Asn. Relationship between individual difference variables and performance in industry and educational learning situations; improvement of organizational effectiveness through the use of opinion surveys and other psychological techniques. Publ: Co-auth, Effects of controlling item exposure in achievement testing, Ed. & Psychol. Measurement, 3/67; Individual differences in learning from tilm repetitions, U.S. Off. Ed. Address: 526 Deptford Ave, Dayton, Ohio 45429.
- HECOCK, PROF. DONALD S(UMNER). Politics, Public Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof., Wayne State, 69- Address: 633 N. Shore Dr, Detroit Lakes, Minn. 56501.
- HEDDENDORF, DR. RUSSELL H, b. Jamaica, N.Y, June 11, 30; m. 54; c. 2. SOCIOLOGY. B.A, Queens Col. (N.Y), 51; M.A. Columbia, 54; Dept. Health Ed. & Welfare grant, Pittsburgh, 65-69; Ph.D. (sociol), 69. Instr. SOCIOL, Dickinson Col, 62-64; ASSOC. PROF, GENEVA COL, 64. U.S.A, 51-53, Sgt. Am. Sci. Affiliation (consult. ed. J, 58-); Sociol. Asn., Soc. Sci. Study Relig. Sociology of reducation of religion. Publ: The sect and religious autonomy, Sociol. Quart, winter 65; The sequence of causal analysis in the social sciences, J. Am. Sci. Affiliation, 6/67. Address: Dept. of Sociology, Geneva College, Beaver Falls, Pa. 15010.
- HEDGES, PROF. BOB A(TKINSON). Economics. See A.K Vol., 11th ed., Soc. & Behav. Vols. New information: Also assoc. dean, 69-, School of Business Administration, Temple University, Philadelphia, Pa. 19002.
- HEDLEY, PROF. GEORGE P(ERCY). Sociology. See A-K Vol, 11th ed, Soc & Behav. Vols. Change of address: 187 Montecito Ave, Apt. 21, Oakland, Calif. 94610.
- HEDLUND, LT. COL. JAMES L(ANE), U.S.A. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. comp. appln. res. in mil. psychology, 69-, Dept. of Psychiatry & Neurology, Walter Reed General Hospital, Washington, D.C. 20012.
- HEDRICH, DR. RICHARD H(ENRY). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. div. pub. progs, Nat. Endowment for Humanities, 69 Address: 2020 F St. N.W. Washington, D.C. 20006.
- HEER, DR. NANCY WHITTIER, b. Swampscott, Mass, June 23, 27; m. 57; c. 2. POLITICAL SCIENCE. B.A, Syracuse, 54: Ford Found. fel. & M.A, Radcliffe Col., 56: miv. 1el, Harvard, 65-67, Ph.D. (polit. sci), 68. Instr. polit. sci, Wellesley Col., 67-68; ASST. PROF. GOVT, WHEATON COL. (MASS), 68- Polit. Sci. Asn; Asn. Adv. Slavic Studies. Soviet historiography on the Communist Party of the Soviet Union; Soviet theories of the Communist Party. Publ: Politics and political history in the USSR, M.I.T, 70. Address: 39 Foster St, Cambridge, Mass. 02138.
- HEFFERNAN, SISTER MARY ESTHER, b. Seattle, Wash, Apr. 22, 29. SOCIOLOGY, Ph.B., Chicago, 48, M.A., 51; fel, Catholic Univ, 61-63, Ph.D. (sociol), 64. Teacher, Cathodral High, Sto, Omaha, Nebr, 53-55; from asst. prof. to assoc. prof. soc. sci. & chm. dept. Edgewood Col, 64-67; staff sociologist, Proj. Bridge, Cleveland, Ohio, 67-68; prof. sociol. & polit. sci. & chm. dept. Edgewood Col., 64-67; staff sociologist, Proj. Bridge, Cleveland, Ohio, 67-68; prof. sociol. & polit. sci. & chm. dept. EDGEWOOD COL, 68-69, STAFF MEM. CURRICULUM DE-VELOP, 69- Lectr, Nat. Cath. Conf. Interracial Justice Traveling Workshop Human Rels, 66- Consult, Nat. Opinion Res. Center, 69- Sociol. Asnj. Soc. Study Social Probs. Social organization, particularly inmate social systems and subsystems and their interaction with administrative and formal system; relationship of political activity, political knowledge and ideological structures. Publ: Co-auth, chap, In: Split-level lives, Divine Word, 67. Address: Edgewood College, Madison, Wis. 53711.
- HEGMANN, DR. JOSEPH PAUL. Quantitative Genetics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- HEIDT, DR. GARY A. Mammalogy, Vertebrate Zoology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- HEIFNER, DR. RICHARD G(LENN). Agricultural Economics. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Agr. economist, 69-, Marketing Economics Division, Economic Research Service, U.S. Dept. of Agriculture, Washington, D.C. 20251.
- HEIGES, DR. HARVEY ERIC, b. Philadelphia, Pa, Jan. 3, 41; m. 62; c. 2. GEOGRAPHY, URBAN STUDIES. B.A, Principia Col, 62; M.S, Pa. State, 64; Ph.D. (geog, transportation eng), Washington (Seattle), 68. Teaching asst, Pa. State, 62-64; res. asst. transportation studies to chma. gov. trans-

portation adv. coun, Wash, 64-65; res. assoc. to consult. to Boeing Aircraft Co, 65; consult. location studies, Northshore First Nat. Bank & res. asst. urban econ. base studies, Appl. Comput. Res. Corp. 66; asst. urban data systs, civil eng. & econ. geog, Washington (Seattle), 66-67, res. assoc, Off. Econ. Opportunity grant urban geog, 67-68, staff asst, v.pres. off, summer 68; ASSOC. PROF. URBAN & TRANSPORTATION GEOG, SAN DIEGO STATE COL., 68- Fel, Systs. Develop. Corp., Calif., summer 65. Asn. Am. Geog; Geog. Sec; Regional Sci. Asn. Spatial impact of new urban transportation systems; development of urban transportation; residential migration in urban areas. Publ: Systems of automated cartography: a review and proposal, Syst. Develop. Corp. 66; co-auth, Intra-urban residential mobility in Seattle as it relates to poverty areas, Off. Econ. Opportunity, Univ. Washington, 6/68; auth, Spatial variable affecting residency change, Pac. Coast Geogr. Yearbook, (in press). Address: Dept. of Geography, San Diego State College, San Diego, Calif. 92115.

HEIM, DR. PEGGY. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Dir. Planning Center, S.C. Private Cols. & dir. spec. projs, Wofford Col, 69- Address: Wofford College, Spartanburg, S.C. 29301.

HEIM, PROF. RALPH DANIEL. Christian Education. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos, Relig. & Law.

HEIMAN, DR. NANETTE M(ARIAN). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 932 Vallejo St, Apt. 6, San Francisco, Calif. 94133.

HEIMANN, DR. ROBERT K. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Pres, 68-, American Brands, Inc, American Tobacco Co, 245 Park Ave, New York, N.Y. 10017.

HEIMLICH, DR. FREDERICK J. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Coordinator adult-outpatient serv, 68-, Brevard County Mental Health Center, 1770 Cedar St, Rockledge, Fla. 32955.

HEIMLICH, DR. JUDITH ANN. Political Science. See PARRISH, DR. JUDITH H, this Suppl.

HEIN, DR. PETER L(EO). Psychiatry. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

HEINBERG, DR. JOHN DORSEY. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Res. staff, 69-, Urban Institute, 2100 M. St. N.W, Washington, D. C. 20037.

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HEINLEIN, DR. ALBERT C, b. Erie, Pa, May 26, 24; m. 49; c. 2. BUSINESS ADMINISTRATION. B.S.Ch.E, Pa, State, 48, M.S.Ch.E, 49; M.B.A, Rutgers, 55; Ph.D.(econ), Western Reserve, 66. Chem. engr., Merck & Co. Inc, N.J. 49–52, cost analyst, 52–53, prod. coordinator, 53–56; instr. bus. admin, Gannon Col, 56–57, asst. prof, 57–60; instr. indust. mgt, Western Reserve, 60–62; asst. prof, KENT STATE, 62–66, assoc. prof, 66–69, AST. DEAN & DIR. GRAD. PROG. BUS. ADMIN, 69– U.S.N.R., 43–46, Ens. Inst. Mgt. Sci; Econ. Asn, Inst. Decision Sci; Acad. Mgt. Community industrial development, especially cost-benefit analysis of community efforts to attract new industry. Publ. Changes in manufacturing composition and spatial distances, Tri-County Regional Planning Cmn, 65; co-auth, Distillation in 2, 4 and 5.75 inch racked columns, Chem. Eng. Progress, 50; auth, Industrial base, In: Industrial development, Tri-County Regional Planning Cmn, 67. Address: Dept. of Business Administration, Kent State University, Kent, Ohio 44240.

HEINRICH, DR. ALBERT, b. Columbia, Ill, Feb. 2, 22; m. 46; 57; c. 3. AN-THROPOLOGY, LINGUISTICS. B.A, New Sch. Soc. Res, 52; M.Ed, Alaska, 55; Ph.D. (anthrop), Washington (Seattle), 63. Govt. teacher, Alaska Native Serv, 44-48; instr. ed. & anthrop. Alaska, 55-57; teaching asst. anthrop, Washington (Seattle), 58-59, instr. exten, 59-60; anthrop. & ling, Montana State, 60-63, asst. prof, 65-64; anthrop, Calgary, 64-66, assoc, prof. anthrop. & admin. officer, 66-68; vis. prof. anthrop. & ling, Karnatak Univ, India, 68-69; ASSOC. PROF. ANTHROP, CALGARY, 69- Nat. Sci. Found. sci. faculty fel, 63-64; summer field work grants, Nat. Inst. Ment. Health, Hudson Bay Area, 60, Nat. Sci. Found. Beaufort Sea Area, 61 & Cam. Coun, Andes, 66. AAAS; Ling. Soc. Am; Ethnol. Soc; Anthrop. Asn; Ling. Soc. India. Eskimo linguistics; Eskimo and Athabascan social structure; kinship; linguistics, religion; Arctic, South America, India. Publ: Co-affinal sibling-ship as a structural feature among some northern North American peoples, Ethnology, 68; A short history of linguistic science, J. Karnatak Univ, 69; Some formal aspects of a kinship system, Current Anthrop, (in press). Address: Dept. of Archeology, University of Calgary, Calgary, Alta, Can.

HEINRICHS, PROF. WALDO HUNTLEY, JR. Modern & American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

HEINS, PROF. A. JAMES. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Dept. of Economics, University of Illinois, Urbana, Ill. 61801.

HEINSTEIN, DR. MARTIN I(SRAEL). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Correction in address: 1704 Eola St, Berkeley, Calif. 94703.

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HEITMANN, DR. GEORGE, b. New York, N.Y., Nov. 27, 33; m. 60; c. 3. ECO-NOMICS. A.B., Syracuse, 56; M.A., Princeton, 60, Ph.D.(econ), 63. ASSOC. PROF. QUANT. BUS. ANAL, PA. STATE, 58. Guest prof. Ruh Univ, 70. Adv., Ministry Planning & Develop, Govt. of Libya, 64-66; consult, energy policy staff, Exec. Off. President, U.S., 67- Am. Econ. Asr; Inst. Mining, Metall. & Petrol. Eng. Royal Econ. Soc. Publ: The taxation of Middle East oil profits: a comment, Econ., J. 3/68; Soviet policy and the Middle East War, Survey, 10/68; Libya: an analysis of the oil economy, J. Mod. African Studies, Vol. 7, No. 2. Address: 217 Bouche, Pennsylvania State University, University Park, Pa. 16802.

HEKIMIAN, DR. JAMES SUREN, b. Watertown, Mass, Sept. 21, 32; m. 57; c. 2. BUSINESS ADMINISTRATION. A.B. Harvard, 54, M.B.A., 56, D.B.A. 63. Res. assoc. mgt, Janning, bus. Sch, Harvard, 59-60, instr. bus. admin, 61-62; assoc. prof. mgt, Sloan Sch. Mgt, Mass. Inst. Tech, 62-67; DEAN COL. BUS. ADMIN, NORTHEASTERN, 67 - U.S.A., 57-59, 1st Lt. Acad. Mgt, Mgt, Asn; Am. Acct. Asn; Financial Execs. Inst. Publ: Management control in life insurance branch offices, Div. Res, Harvard Bus. Sch, 65; co-auth, Operations cost control, Irwin, 67 & Put people on your balance sheet, Harvard Bus. Rev, 67. Address: College of Business Administration, Room 202, Hayden Hall, Northeastern University, Boston, Mass. 02115.

HEKMAT, DR. HAMID MOAYED, b. Tehran, Iran, Aug. 27, 40; m. 69. PSY-CHOLOGY. Ph.D.(psychol), Southern California, 68. ASST. PROF. PSY-CHOL, WISCONSIN STATE-STEVENS POINT, 68-AAAS; Psychol. Asn. Behavior modification and therapy; personality determinant of conditioning; semantic desensitization of phobia; efficacy of psychotherapeutic techniques. Publ: Co-auth, Transfer of verbal conditioning to nonverbal behavior, Psychol. Reports, 67 & Some effects of various schedules of verbal reinforcement on self-reference responses, J. Psychol, 67; Behavior modification through covert semantic desensitization, J. Consult. & Clin. Psychol, Vol. 34, No. S. Address: Dept. of Psychology, Wisconsin State University-Stevens Point, Vis. 54461.

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HEMMENS, PROF. GEORGE C, b. Chicago, Ill, Dec. 31, 33; m. 58; c. 3. CITY & REGIONAL PLANNING. A.B, Illinois, 57; M.R.P, North Carolina, 59; Ph.D. (planning), Mass. Inst. Tech, 66. Planner, Upstate N.Y. Transportation Studies, 62-64; fel. PLANNING, joint center urban studies, Mass inst. Tech-Harvard, 64-65; PROF, NORTH CAROLINA, CHAPEL HILL, 65. U.S.C.G, 51-64. Inst. Planners. Urban systems analysis; location of the control of the control

HEMPEL, DR. DONALD J(AY). Marketing, Business Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 68-, Dept. of Marketing, University of Connecticut School of Business Administration, Storrs, Conn. 06268. HENDERSHOTT, DR. PATRIC H, b. Minneapolis, Minn, Mar. 3, 39; m. 61; c. 3. ECONOMICS. B.A, St. Mary's Col. (Minn), 61; M.A, Purdue, 63, Ph.D. (econ), 65. Res. economist, Fed. Res. Bd, 64-67; asst. prof. econ, North-western, 67-69; ASSOC. PROF. ECON. & FINANCE, PURDUE, 67. Lectr, Georgetown, 66-67. Econ. Asn. Finance Asn. Economet. Soc. Monetary theory and policy; international finance; finance. Publ: The neutralized money stock: an unbiased indicator of Federal Reserve actions, Irwin, 68; Recent development of the financial sector of Europe toll models, J. Finance, 3/68; co-auth, Financial capital flaws in the balance of payments of the United States: an exploratory empirical study, Princeton Studies in Int. Finance, 70. Address: Kramert Graduate School of Industrial Administration, Purdue University, Lafayette, Ind. 47907.

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Asn; Finance Asn. Economic theory; money and banking; business finance. Publ: Co-auth, Economics for Americans, St. Martin's, 70. Address: Dept. of Economics, Seattle University, Seattle, Wash, 98115.

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HENJUM, DR. RAYMOND HARRIS, b. Hoffman, Minn, May 4, 34; m. 56; c. 2. HENJUM, DR. RAYMOND HARRIS, b. Hoffman, Minn, May 4, 34; m. 56; c. 2. GUIDANCE & COUNSELING. B.A. Augsburg Col, 55; M.S. c, Stout State, 61; Ph.D. (counsr. ed), Wisconsin, 65. Teacher, pub. sch, Minn, 55-58; teacher & supur, pub. sch, Wins, 56-62; res. asst. counseling, Wisconsin, Madison, 62-65; asst. prof. COUNSR. ED, Montana State, 65-68; ASSOC. PROF, MANITOBA, 68.—Grant, inst. simulation in col. instr, or Pc. State Syst. Higher Ed, summer 68; consult, Dept. Ed, Man, 69-70. Career development research and related research in counselor education. Publ. Co-auth, Some career development implications for education, Man, J. Ed, 6/69 & Parental actions on counselor suggestions, Voc. Guid. Quart, 9/69. Address: Faculty of Education, University of Manitoba, Winnipeg 19, Man, Can.

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Develop. Co, Okemos, Mich, 61- U.S.N, 44-46. Int. Commun. Asn; Acad.
Mgt. Organizational communication; persuasion; applied linguistics. Publ:
Co-auth, Dimensions in communication, Wadsworth, 65, 2nd ed, 70. Address: College of Business, Michigan State University, East Lansing, Mich.
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- HILTNER, PROF. SEWARD. Pastoral Theology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- HILTS, DR. VICTOR L. History of Science & Social Science. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
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HITCHENS, COL. HAROLD LEE. United States History, American Foreign Policy. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

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States policy toward Africa. Publ: Hong Kong is the lifeboat: notes on political culture and socialization in Hong Kong, J. Orient. Studies, 1/70. Address: 1235 Tulane, University City, Mo. 63130.

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JOURNALISM. B.S., Auburn, 51; Texas Tech. Col, 52; M.A, Mississippi, 54;
Ph.D. (mass commun), lowa, 60. News ed., Oxford Eagle, J. South. Commerce, Miss, 53-54; ed, lowa Publisher, Univ. Iowa, 54-56; asst., prof. JOUR-NALISM, MISSISSIPPI, 56-39, assoc., prof., 59-67, PROF., 67- U.S.A.F., 51S3. Asn. Ed. in Journalism. Mass media use by the aged; law as it relates to the press; subliminal perception. Publ: Ed, Erosion Control, U.S. Dept. Agr., 62; auth, Mississippi Newspapers and the law, Univ. Miss, 68; The semantic differential as a measure of subliminal message effects, J. Psychol, 65. Address: Woodson Ridge Rd, Oxford, Miss. 38655.

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HOENIG, MITCHELL O. Low Temperature Physics, Cryogenic Engineering. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

HOFF, DR. THEODORE A, b. Stirum, N.Dak, Oct. 19, 35; m. 57; c. 4. AGRI-CULTURAL ECONOMICS. B.A, Ft. Lewis Col, 64; M.A, Montana State, 65, Ph.D. (agr. econ), 69. Instr. ECON, Montana State, 57-58; ASST. PROF, NORTHERN ARIZONA, 59- U.S.A.F, 34-58. Econ. Asri, Agr. Econ. Asn. Production economics; econometrics, microeconomics; statistics. Publ: Co-auth, An input-output model of Montana, Mont. State Univ. (in press). Address: College of Business, Northern Arizona University, Flagstaff, Ariz.

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HOFFMANN, DR. HELMUT JOACHIM, b. Berlin, Germany, Nov. 9, 29; m. 62; c. 2. PSYCHOLOGY, PHYSIOLOGY. M.A. (theol) & M.A. (psychol), Marburg, 57; Ph.D. (psychol), Insbruck, 60. Res. assoc, physiol, psychol, Max Planck Inst. Appl. Physiol, Dortmund, Germany, 60-63; U.S. Pub. Health Serv. res. lel. exp. personality, Ed. Testing Serv, Princeton, N.J. 63-65; res. psychologist, Rochester State Hosp, Minn, 65-68; DIR. RES. CLIN. PSYCHOL, WILLMARS TATE HOSP, 68- Mem. N.Am. Asn. Alcohol Progs. Psychol. Asn; Int. Asn. Appl. Psychol; German Soc. Psychol. Motivation; perceptual and motor skills; neuropsychology; personality assessment; personality theory; alcoholism and chemical dependency. Publ: Co-auth, Achievement motivation and vigilance, West German Co, 64. Address: Dept. of Clinical Psychology Research, Willmar State Hospital, Willmar, Minn. 56201.

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CLINICAL PSYCHOLOGY. B. A, Loras Col, 59; M. A, Catholic Univ, 61,
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63-65; asst. prof. bus. admin, Bradley, 65-67; chief psychologist, Marshfield Clin, Wis, 67-68; ASSOC. PROF. PSYCHOL. & ASST. DIR. PSYCHOL.
SERV. CENTRE, MANITOBA, 69- Lectr, Mt. St. Clare Col, 64; Found.
Econ. Educ. fel, 66. Consult, Va. Dept. Health, 62-63; Iowa Dept. Voc. Rehab, 63-65; Cent. Ill. Light Co, 66. Psychol. Asn. Am. Med. Asn. Psycho-

therapy; psychometrics; neuropsychology. Publ: Co-auth, Business administration: an introduction, Scott, 69; auth, An examination of new 120 norms of the ammons, J. Clin. Psychol, 69; co-auth, An emotional profile of depression, Psychol. Reports, 69. Address: Dept. of Psychology, University of Manitoba, Winnipeg, Man, Can.

HOGG, DR. THOMAS CLARK, b. Bozeman, Mont, Nov. 29, 35; m. 58; c. 2. ANTHROPOLOGY. B.S. Oregon, 58, M.A. 63, Ph.D. (anthrop), 65. Instr. ANTHROP, Div. Continuing Ed, Eugene, Ore, 64-65; asst. prof, OREGON STATE, 65-69, ASSOC. PROF, 69-Water Resources Res, U.S. Dept. Interior res. grant, 68- Anthrop. consult, Cornell, Howland Hayes & Merryfield, Corvallis, Ore, summer 68. Mem, West. Soc. Res. Adv. Cmt, Farm Found, 66-; bd. dirs, Northwest Center Arts & Sci, 68-; mem, Coun. Ed. & Anthrop, 69- U.S.A, 98-60, Capt. Fel. Anthrop. Asn. Anthropology of development; social and cultural change; modern Africa; new world black cultures. Publ: Toward including ethnological parameters in river basin models, Proc. West. Agr. Econ. Res. Coun, 66; Socio-cultural impacts of water resource development, Water Resources Res. Inst, Ore. State Univ, 68; co-auth, Cultural pluralism and its implications for education, Ed. Leadership, 12/69. Address: Dept. of Anthropology, Oregon State University, Corvallis, Ore. 97331.

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59; Ph.D.(econ), Mass. Inst. Tech, 63. Asst. prof. ECON, Stanford, 63-68;
ASSOC. PROF, CORNELL, 68- Soc. Sci. Res. Coun. Iaculy res. grant, 68.
Econ. Asn; Econ. Hist. Asn. European industrialization; agricultural development in Europe; economics of technical change. Publ: Chemicals in Western
Europe, 1850-1914, North-Holland, 67; Primer in the economic history of Europe, Random House, 68. Address; Dept. of Economics, Cornell University,
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HOLLAND, DR. CAROLSUE. Modern European & Contemporary History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

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HOLLANDER, DR. TOBY EDWARD. Economics, Accounting. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: V.chancellor, City Univ. N. Y. 69- Address; Aspen Court, Pomona, N.Y. 10970.

HOLLIS, PROF. JOSEPH WILLIAM. Counseling, Guidance. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. psychol. & counseling. & dir. doctoral prog. counseling & guid, Ball State University, Muncie, Ind. 47306.

HOLLISTER, PROF. BARRETT. Political Science. See A-K Vol., 11th ed., Soc. & Behav. Vols. New position: Quaker rep. UN Friends World Cmt., 69-Address: 247 E. 48th St., New York, N.Y. 10017.

HOLLISTER, PROF. JAMES ELLIOTT, b. Mercer Co, N.Dak, Nov. 11, 11; m. 35; c. 3. SOCIOLOGY, ADULT EDUCATION. B.A. John Fletcher Col. (lowa), 42; M.S. San Jose State Col, 66; Ed.D.(adult ed), California, Berkeley, 68. Minister, pastor & conf. supt, Free Methodist Church, 35-65; PROF. SOCIOL, Northwest Nazarene Col, 65-67; GREENVILLE COL, 69-Sociol. Asn; Adult Ed. Asn. U.S. Social factors affecting the life style of Christian ministers evidenced in their continuing education and leisure activities. Address: Dept. of Sociology, Greenville College, Greenville, Ill. 82946

NOTIFIER, DR. ROBINSON GILL, JR, b. Newark, N.J., Oct. 11, 34; m. 64; c. 1. ECONOMICS. B.A, Amherst Col, 56; Fulbright scholar, London, 61-62; Ph.D. (econ), Stanford, 65. Asst. prof. econ, Williams Col, 62-64; consult. economist, Orgn. Econ. Coop. & Develop, France, 64-65; mem. staff, res. & plans, Off. Econ. Opportunity, Wash, D.C., 66, chief, 66-67; asst. prof. ECON, WISCONSIN, MADISON, 67-68, ASSOC. PROF, 68.—Consult, UNESCO, France, 61; Int. Labour Cif., 50; L. S. Agenc, 11, Lovelop, 67. U.S.A.R., 57-63. Problems of poverty in the United States; economics of human resources; economic problems of Africa. Publ. Atechnical evaluation of the first stage of Mediterranean regional project, Orgn. Econ. Coop. & Develop, 65; Economics of manpower policreasting, Int. Labour Rev, 4, 64; co-auth, Methods and problems in evaluation of social programs, In: Public and private manpower policies, Indust. Rels. Res. Ass., 69. Address: Dept. of Economics, University of Wisconsin, Madison, Wis. 53706.

HOLLOWAY, DR. GORDON F, b. Chesterfield Co, Va, Feb. 6, 33; m. 55; c. 7.
AIDIOLOGY. B.S, Utah, 62, M.S, 64; Dept. Health, Ed. & Welfare grant,
Southern Illinois, 67-68, Ph. D. (audiol), 68. Speech & hearing therapist,
Curry Co, Ore. Inst. Ed. Develop, 64-65; AUDIOLOGIST, MINOT STATE
COL., 68. U.S.N. 51-55. Speech & Hearing Asn. Auditory-visual integration
in language impaired children; auditory-visual integration in children. Publ:
Co-auth, Radio telemetry for the monitoring of verbal behavior, J. Speech
& Hearing Disorders, 2/68. Address: Dept. of Audiology, Minot State College, Minot, N. Dak. 58701.

HOLLOWAY, PROF. HAROLD D(AVID). Child Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also acting chmn, 69-, Dept. of Psychology, North Texas State University, Box 5334, Denton, Tex. 76203.

HOLLOWAY, PROF. W(ILLIAM) V(ERNON). Political Science. See A-K Vol, 11th ed. Soc. & Behav. Vols. New information: No longer dean grad. sch. & v.pres, Univ. Tulsa. Address; 5518 E. 46th 8t, Tulsa, Okia. 74135.

HOLLY, PROF. DAVID C, b. Baltimore, Md, Oct. 17, 15; m. 49; c. 3. PO-LITICAL SCIENCE, INTERNATIONAL RELATIONS. B.S., Hopkins, 38; M. A, Maryland, 39; Ph.D.(int. rels), American Univ, 64. From asst. prof. to assoc. prof. int. law & rels, American Univ, 64-67; from assoc. prof. to PROF. INT. RELS, HAMPDEN-SYDNEY COL. 67; Irom assoc. prof. to PROF. INT. RELS, HAMPDEN-SYDNEY COL. 67; Irom assoc. prof. to policy. Publ: Exodus 1947, Little, 68; The ROK Navy, 11/52 & For the purpose of marking time, 3/53, U.S. Naval Inst. Proc. Address: Dept. of Political Science, Hampden-Sydney College, Hampden-Sydney, Va. 23943.

HOLMAN, DR. PETER A(NDREW). Industrial & Engineering Psychology. See A.-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 833 15th St, Santa Monica, Calif. 90403.

HOLMES, DR. A. STEWART, b. Bend, Ore, Aug. 18, 42; m. 68. AGRICUL-TURAL ECONOMICS. B.S, Oregon State, 65; Ph.D.(agr. econ), Maryland, 69. ASST PROF. RESOURCE ECON, MARYLAND, 69- Soc. Int. Develop; Community Develop. Soc; Am. Agr. Econ. Asn; Int. Asn. Agr. Econ. Resource economics; international economic development. Address: Dept. of Agricultural Economics, University of Maryland, College Park, Md. 20742.

HOLMES, DR. DAVID NOYES, JR, b. Saginaw, Mich, Mar. 14, 37; m. 63; c. 2. ECONOMICS, POLITICAL SCIENCE. B. A, Harvard, 59; B.F. T. Thunderbird Grad. Sch. Int. Mgt.(Ariz.) 61; M.A. California, Los Angeles, 65. Nat. Defense Ed. Act fel, 67-69, Ph.D.(econ), 69. Prof. Eng, Caldas, Colombia, 61-63; admin. asst. computer sales, Appl. Dynamics Int, 63-64; asst. prof. econ, Bowdoin Col., 69-70; ECONOMIST, TEMPO, GEN. ELEC. CO, 70- Consult, Rand Corp. 65-69. U.S.A. F.R, 59-65. Econ. Asn.; Latin Am. Studies Asn. Development planning; project analysis; rural cooperative credit, microeconomic theory. Publ. to modelo economic sober los incentivos para solicitar credito en las cooperativas de ahorro y prestamo, Economia, 12/68. Address: TEMPO, General Electric Co, Santa Barbara, Calif. 33102.

HOLMES, PROF. JACK E, b. Kemmerer, Wyo, Aug. 15, 16; m. 41; c. 2. POLITICAL SCIENCE. B.A. Wyoming, 40, M.A. 45; Ph.D. (polit. sci), Chicago, 64. Asst. prd. polit. sci, New Mexico, 46-51; dtr, N. Mex. Legis. Coum. Serv, 51-59; asst. to Rep. state chmn, N. Mex, 59-60; assoc. prd. pub. admin, Nevada, 62-63; PROF. POLIT: SCI, TENNESSEE, KNOXVILLE, 63-Soc. Sci. Res. Coun. 1el; 37-58. Chief, N. Mex. Tax Cmn, 51-62. Mem, Nat. Sci. Found, NASA, Tenn. Valley Authority & State of Tenn. sci. policy res team, 69-70. Polit. Sci. Asn. Politics and public policy; the politics of science; civic and political characteristics of scientists and technologists. Publ: Politics in New Mexico, Univ. N.Mex. Aft, The public land question in New Mexico, 47 & Science town in the politics of New Mexico, 67, Div. Govt. Res., Univ. N. Mex. Address: Dept. of Political Science, University of Tennessee, Knoxville, Tenn. 37916.

HOLMES, DR. JOHN H, b. Cincinnati, Ohio, Jan. 6, 38; m. 62; c. 2. MARKET-ING. B.S, Notre Dame, 59; M.B.A, Cincinnati, 60; Ph.D. (commun), Mich. State, 67. Mkt. analyst, Lincoln-Mercury Div, Ford Motor Co, 60-62; ASST. PROF. MKT, BOWLING GREEN STATE, 65- Fulbright-Hays lectr, Turku, Finland, 68; Found. Econ. Ed. 1el, 69; Bowling Green Univ. res. grant, 69-U.S.A.F. 66. Mkt. Asn. Diffusion of innovations; communications research; product market integration. Publ: Tuotessunittelun systemin runko, yritystalous, Helsinki, 1/69; A note on the product adoption process, Bull. Bus. Res, Ohio State Univ. 7/69; Selected areas of decision making confronting the marketing oriented executive, Mem. 12, Handelshogskolan vid Abo

Akademi, Turku, summer 69. Address: Dept. of Marketing, Bowling Green State University, Bowling Green, Ohio 43402.

BOLMES, JOHN W, b. London, Ont, June 18, 10. INTERNATIONAL AFFAIRS. B.A, Western Ontario, 32; M.A., Toronto, 33; London, 38-40. First secy, Can. Rouse, London, 44-47; chargé d'affaires, Can. Embassy, Moscow, 47-48; acting permanent rep. to UN, 50-51; mem. directing staff, Nat. Defence Col. Can, 51-53; asst. Under-Secy. of State for External Affairs, Ottawa, 53-60; DIR, GEN, CAN. INST. INT. AFFAIRS, 60-Res. assoc, Duke, 60; vis. prof., Toronto, 67-; vis. res. fel, Carnegie Endowment for Int. Peace, European Centre, Geneva, 69. Mem. coun, Inst. Strategic Studies, 64-; mem. bd. trustees, UN Inst. Training & Res, 67- Serv. medal, Order of Can, 69. Can. Hist. Asn.; Can. Polit. Sci. Asn. Canadian foreign policy; international mediation. Publ: Canada and China, In: Policies towards China: a view from six nations, Praeger, 66; Growing independence in Canadian. American relations, For. Affairs, 67 & Fearful symmetry: the dilemmas of consultation and coordination in NATO, Int. Orgn, 68. Address: Canadian Institute of International Affairs, 31 Wellesley St. E, Toronto 284, Ont, Can.

HOLMLUND, DR. WALTER S. Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Behavioral Sciences, Lake Superior State College, Sault Ste Marie, Mich. 49783.

HOLSTI, DR. OLE. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New publ: Co-auth. & co-ed, The analysis of communication content; developments in scientific theories and computer techniques, Wiley, 69. Address: Dept. of Political Science, University of British Columbia, Vancouver 8, B-C, Can.

HOLT, DR. H(OWARD) O(LIVER). Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 2 Jackson Dr, Cranford, N.J. 07016.

HOLT, DR. J(AMES) M(ILBURN). Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also practicing clinical psychologist. Address: Orthopaedic Hospital, 2400 S. Flower, Los Angeles, Calif. 90007.

HOLT, DR. JOHN, b. Roswell, N.Mex, Dec. 4, 36; m. 61. AGRICULTURAL ECONOMICS. B.S, Texas Tech. Col. 61, M.S. 66; Ph.D.(agr. econ), Texas A&M, 69. ASST. PROF. AGR. ECON, FLORIDA, 69- Management, labor motivation, land values, production costs—crops and livestock. Address: Dept. of Agricultural Economics, University of Florida, Gainesville, Fla. 32601.

HOLT, PHILLIP ((HRISTIAN). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired; now independent consult. Address: 8105 Kerry Lane, The Hamlet, Chevy Chase, Md. 20015.

HOLT, PROF. ROBERT R(UTHERFORD). Clinical & Personality Psychology. See A.K Vol, 11th ed, Soc. & Behav. Vols. New information: No longer codir, res. center. ment. health, N.Y. Univ. Address: Dept. of Psychology, New York University, Washington Square, New York, N.Y. 10003.

HOLTZ, DR. JAMES N. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Prof. econ, Fed. Exec. Inst, 69-; vis. assoc. prof. govt, Virginia. Address: Federal Executive Institute, Thomas Jefferson Inn, Route 29, North Charlottesville, Va. 22903.

HOLTZMAN, DR. WAYNE H(AROLD). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Pres, 70-, Hogg Foundation for Mental Health, University of Texas at Austin, Austin, Tex. 78712.

HOLZMAN, PROF. PHILIP S. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Prof, Chicago, 69-; training psychoanalyst, Chicago Inst. of Psychoanal. Address: University of Chicago, 950 E. 59th St, Chicago, Ill. 60637.

HOMAN, DR. A. GERLOF. Agricultural Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. econ. & dir, 68-, Bureau for Business & Economic Research, University of Oklahoma, 307 W. Brooks St, Room 4, Norman, Okla. 73069.

HONDRUM, PRES. JON OLAF. Philosophy, Literature. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

Am. Scholars, vol. Iv, Fallos, Relig. & Law.

HONEA, DR. KENNETH H(OWARD), b. San Antonio, Tex, July 25, 30; wid;
c. 1. CULTURAL ANTHROPOLOGY, ARCHAEOLOGY. Ph.D. (anthrop),
Vienna, 58. Dir, Wenner Gren Found. Anthrop, European hq, Gloggnitz,
Austria, 59-59; staff archaeologist, Faxas, Austria, 69-62; res. archaeologist, Mus. N. Mex, Santa Fe, 62-67; ASSOC. PROF. ANTHROP, Texas Tech,
67-69; NORTHERN ILLINOIS, 69. Wenner Gren Found. res. grant, 59;
Wenner Gren Found. Richard C. Hunt Mem. fel, 58-59; Nat. Sci. Found
grants, 62, 66. Med.C, U.S.A, 46-48. Anthrop. Asn. Prehistoric technology; nature and development of prehistoric cultures in American Southwest,
Africa and Europe; culture change in contemporary societies; primitive
religions. Publ: Morphology of scrapers and their methods of production,
Southwest. Lore, 65; Material culture of prehistoric Cochiti district sites,
In: The Cochiti Dam, Mus. N. Mex. Res. Records, 66; Rio Grande complex
and the north plains, Plains Anthropologist, 69. Address: Dept. of Anthropology, Northern Illinois University, De Kalb, Ill. 60115.

HONEY, DR. JOHN C. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: V.pres, res. & govt. affairs, 69-, Syracuse University, Administration Bidg, Syracuse, N.Y. 10021.

HONKALEHTO, PROF. OSWALD. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Ph.D.(econ), Mass. Inst. Tech, 69. Assoc. prof. 69-, Dept. of Economics, Colgate University, Hamilton, N.Y. 1334-

HOOD, DR. RALPH W, JR, b. July 12, 42; U.S. citizen; m. 60; c. 2. SOCIAL PSYCHOLOGY. B.A, California, Los Angeles, 64; M.A, Calif. State Col. Los

Angeles, 66; NASA fel, Nevada, Reno, 66-68, Ph.D.(soc. psychol), 68. Lectr. & res. assoc. PSYCHOL, Nevada, Reno, 68-69; ASST. PROF, 8.DAK. STATE, 69- Psychol. Asn; Soc. Sci. Study Relig. Personality; philosophical psychology; methodology. Publ: On creativity as defined by the remote associates test, Psychol. Reports, 69 & Effects of foreknowledge of death in the assessment from case history material of intent to die, J. Consult. & Clin. Psychol, 70; co-auth, Associative clustering and performance on the remote associates test, J. Exp. Res. Personality; 70. Address: Dept. of Psychology, South Dakota State University, Brookings, S.Dak. 57006.

HOOD, DR. W(ILLIA)M C(LARENCE). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. dep. minister finance, 70-, Government of Canada, Wellington St, Ottawa, Onf, Can

HOOK, DEAN RALPH C, JR. Business Administration. See A-K Vol., 11th ed, 50c. & Behav. Vols. New position & address: Dean, 68-, College of Business Administration, University of Hawaii, 2500 Campus Road, Honolulu, Hawaii 96822.

HOOKE, DR. JAMES F(REDERICK), b. Lowell, Mass, Jan. 15, 35; m. 66; c. 1. PSYCHOLOGY. A. B. Brandeis, 57; U.S. Pub. Health Serv. fel, Nebraska, 64, Ph.D. (psychol), 66. Instr. psychiat, med. center, Kansas, 65, ASST. PROF, 65-67; PSYCHOL, Georgia, 67-70; VA. COMMONWEALTH UNIV, 70-Training consult, Cent. State Hosp, Milledgeville, Ga, 67-68; res. consult, Manpower Develop. & Training Center, Buford, 68-Psychol. Asn; Soc. Proj. Tech. & Personality Assessment. juve-nile delinquency; personnel prediction. Publ: Co-auth, MMPI characteristics of pregnancy, J. Clin. Psychol, 62 & Personality characteristics of successful police sergeant candidates, J. Criminal Law, Criminol. & Police Sci., 70; auth, Rating delinquent behavior, Psychol. Reports, 70. Address: Dept. of Psychology, Virginia Commonwealth University, Richmond, Va. 23220.

HOOKS, DR. JANET M. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Economics, Eastern Illinois University, Charleston, Ill. 61920.

HOOPES, DR. PAUL ROGER. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1118 Lake St, Venice, Calif. 90291.

HOOSE, PROF. IDABELLE PETERSON. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: J.D. Akron, 69. Assoc. prof, 69-, Dept. of Psychology, Kent State University, Kent, Ohio 44240.

HOOVER, DAVID B(EALL). Biometrics, Public Health. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chief manpower resources br, 68-Division of Allied Health Manpower, National Institutes of Health, 9000 Rockville Pike, Bethesda, Md. 20014.

HOPE, PROF. A(SHLEY) GUY. Social Science, International Affairs. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. polit. & prog. dir, 69-, St. Andrews Presbyterian College, Laurinburg, N.C. 28352.

HOPE, JOHN, II. Economics. See A-K Vol., 11th ed. Soc. & Behav. Vols. New position: Asst. dir. planning off. civil rights, Dept. Health, Ed. & Welfare, 68- Address: 360 N. St. S.W., Washington, D.C. 20024.

HOPE, DR. RICHARD OLIVER, b. Atlanta, Ga, Apr. 1, 39; m. 64; c. 2. SO-CIOLOGY, RELIGION. B.A, Morehouse Col., 51; M.A. Syracuse, 67; Ph.D. (sociol. of relig), 69. Instr. SOCIOLy, Syracuse, 64-55 & summer 67; Onondaga Community Col., 67-68; BROOKLYN COL., 66-69, ASST. PROF. 70-Res. assoc, Metrop. Appl. Res. Center, 66-Sociol. Assis Soc. Study Social-lems of the control of the con

HOPKIN, DR. JOHN A(LFRED). Agricultural Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir. agr., finance prog, 69-, University of Illinois, 305 Mumford Hall, Urbana, Ill. 61801.

HOPKINS, DR. ANNE H, b. New York, N.Y. Aug. 17, 41; m. 65. POLITICAL SCIENCE. B.A, Syracuse, 63, M.A, 65, Ph.D.(polit. sci), 69. Res. assoc. POLIT. SCI, Syracuse, 67-68; ASST. PROF, HOBART & WILLIAM SMITH COLS, 68- Nat. Sci. Found. faculty res. grant, 68-70. Polit. Sci. Asn. Comparative state politics: American political behavior; quantative methods. Publ: Co-auth, Politics and organization in water resource administration: a comparative study of decisions, Water Resources Res, 65. Address: Dept. of Political Science, Hobart & William Smith Colleges, Geneva, N.Y. 14456.

HOPKINS, PROF. BERT EARL. Law. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos, Relig. & Law.

HOPKINS, DR. CHARLES E(LBERT), b. Atlanta, Ga, Mar. 22, 31; m. 53; c. 2. SOCIOLOGY, EDUCATIONAL PSYCHOLOGY. A.B., Furman, 51, M.Ed, Emory, 59; Ed.S., Georgia, 63, Ed.D. (ed., psychol), 64. Teacher, pub. schs, Ga, 52-59, counsr., 59-61, dir. gud. 64. testing, 61-66; assoc. dir., Ga. Ed. Improv. Coun, 66-67; ASSOC. PROF. SOCIOL, GEORGIA STATE, 67- Consult, southeast. region, U.S. Civil Serv. Cmn, 68- Ed, Urban & Regional Affairs. J, 68-69; mem. adv. bd. 6 ed. bd, Gud. Res. Group, 64-67. U.S.A., 54-55, Res, 55-62. Nat. Coun. Measurement in Ed; Inst. Urban & Regional Affairs. Statistical prediction techniques for identifying potential high school dropouts; values and value structures of college and secondary school students. Publ: Co-auth, Directory of educational opportunities in Georgia, Ga. Ed. Improv. Coun, 67: auth, Using TV in career guidance, Nat. Asn. Ed. Broadcasters J, 11/66 & Conservation of human resources: identifying the potential school dropout, Urban & Regional Affairs, J, 5/69. Address: Dept. of Sociology, Georgia State University, 33 Gilmer St. S.E, Atlanta, Ga. 30303.

HOPKINS, DR. RONALD HERBERT, b. Marshalltown, Iowa, Oct. 16, 41; m. 64; c. 2. EXPERIMENTAL PSYCHOLOGY. B.S. Iowa State, 63: Nat. Defense Ed. Act fel, Iowa, 65-67, Ma, 66, Ph.D. (psychol), 67. Assoc. engr., Boeing Co, Seattle, 63; jr. physicist, Atomic Energy Cmn. Ames Lab, Iowa State, 63-64; res. assoc. PSYCHOL, inst. math. studies in social sci. Stanford, 67-68; ASST. PROF, State Univ. N.Y. Binghamton, 68-69, WASHING-TON STATE, 69- Leetr, Calif. State Col. Hayward, 68. AASR, Psychol. Ass. Human learning and memory; verbal learning; mathematical models of learning and memory. Publ: Co-auth, First-letre clues in the retrieval of proper names from long-term memory, Psychonomic Sci, 11: 219-220 & Meaningfulness in paired-associate recognition learning, J. Exp. Psychol, 79: 533-539. Address: Dept. of Psychology, Washington State University, Pullman, Wash. 99163.

HOPPER, DR. JACK, b. Mineola, Tex, Apr. 25, 28; m. 61. ECONOMICS B.S. Tex. Tech. Col, 51; M.A. Texas, Austin, 64, Ph.D. (econ), 66. Process engr. Philfips, Chem. Co, Tex. 53-56; sales engr. Duriron Co, Inc. 56-60; economist, Brown & Root, Inc. 65-67; INDUST. ECONOMIST, SPINDELTOP RES. INC. 67- Econ. Asn. Research in economic development and industrial economics. Address: 805 Malabu Dr, Lexington, Ky. 40502.

HOPPOCK, PROF. ROBERT. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 74 South Bldg, New York University. New York, N.Y. 10003.

HORAN, DR. MICHAEL JAMES. Political Science. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: 802 S. 24th St. Laramie, Wyo. 82070

HORN, DR. DANIEL. Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: U.S. Public Health Service, 5600 Fisher Lane, Parklawn Bldg, Rockville, Md. 20852.

HORN, DR. JOHN L(EONARD). Psychology, Psychometrics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Prof. psychol, Denver, 69-, Nat. Inst. Ment. Health grants, 68-73. Address: 196 S. Corona St, Denver. Colo. 80209.

HORN, DR. WOLFGANG O, b. Oppeln, Germany, Mar. 20, 19: m. 64: c. 6. PSYCHOLOGY. B.S, Marburg, 50, M.S. 51, Ph.D. (psychol). 61: Salzburg Seminar in Am. Studies, summer 50. Chin. psychologist, Dept. Justice. Fed. Repub. W. Germany, 53-67: res. assoc. PSYCHOL, lab. personality & group anal, dept. psychol, Illinois, Champaign, 68: ASSOC. PROF, WIS. STATE, STEVENS POINT, 68- German Army, 37-47, 5gt. AAAS. Psychol. Asn. Intelligence of children of different social classes: structure of intelligence and personality: intercultural comparisons: prediction of achievement and criminal offenses; creativity development of tests. Publ. Begalburgstestsystem (BTS), 56. Leistungspruefsystem (LFS), 61 & Pruefsystem fuer Schul und Bildungsberatung (PSB), 69, Verlag fuer Psychologie, Dr. C. J. Hogrefe, Goettingen, W. Germany. Address: Classroom Center, Wisconsin State University, Stevens Point, Mis. S4461.

HORNBECK, DR. FREDERICK WILLIAM, b. Buffalo, N.Y. Feb. 27, 40; m. 62; c. 1. SOCIAL PSYCHOLOGY. B.A. Yale, 64, M.S. 66; Ph.D. (gsychol). California, Los Angeles, 69. ASST. PROF. PSYCHOL, SAY DISGO STATE COL. 68- AAAS; Soc. Psychol. Study Social Issues: Psychol. Asn. Attitudinal behavior, particularly consequents of counter-attitudinal advocacy; non-attitudinal determinants of attitudinal behavior. Address: Dept. of Psychology. San Diego State College, San Diego, Calif. 92115.

HORNER, PROF. G(EORGE) R(OLAND). Anthropology. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: Boston State College, Boston. Mass. 02115.

HORNING, PROF. DONALD NEAL MICHAEL. b. South Bend, Ind. Oct. 10, 30; m. 57. SOCIOLOGY. B. A. Kalamazoo Col. 52; M. A. Indiana. Bloomington, 57, Ph.D. (sociol), 63. Instr. sociol, Indiana, Bloomington, 57-66: asst. prof. Ohio, 60-66, Off. Econ. Opportunity grant & assoc. dir. center econ. opportunity, 66; assoc. prof. sociol, Western Michigan. 66-70, assoc. dir. center sociol, res, 67-70; PROF. SOCIOL. & CHMN. DEPT. ST. MARY'S COL. (IND), 70. Soc. Study Social Probs. (secy. 68-70). Sociol. Asn. Industrial sociology; blue collar crime; black business leaders. Publ. Co-auth. Directory of black business in Michigan, Bur. Bus. Res. Univ. Michigan. 70; auth. Blue collar theft, In: Crimes against bureaucray, Van Nostrand. 70. Address: 1324 E. Wayne St. S. South Bend, Ind. 46615.

HORNING, DR. EDGAR A. American History. See 5th ed. Dir. Am. Scholars. Vol. I, Hist.

HOROWITZ, DR. A(RNOLD) E(LI). Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Assoc. prof. psychol, Hofstra. 68- Address: 90 Seventh Ave, Sea Cliff, N.Y. 11579.

HOROWITZ, PROF. IRVING L(OUIS). Sociology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Prof. sociol. & chmn. Livingston Col. Div. Rutgers, 69-; ed-in-chief, Trans-action. Address: Dept. of Sociology. Rutgers, The State University, New Brunswick, N.J. 08903.

HOROWITZ, DR. IRWIN, b. New York, N.Y, Feb. 2, 39; m. 65; c. 1. PSY-CHOLOGY. B.S, Brooklyn Col, 61, M.A. 63; Ph.D. (psychol), Mich. State, 66, ASST. PROF. PSYCHOL, TOLEDO, 66-, res. fel, 69. Psychol. Asn. Group and interpersonal processes, attitudes and behavior; experimental design. Publ: Social responsibility as a function of repression-sensitization, J. Soc. Psychol, 68; Effect of hotice and losses of dependence on helping behavior, 68 & Effects of volunteering and fear arousal on attitude changes, 69, J. Personality & Soc. Psychol. Address: Dept. of Psychology, University of Toledo, Toledo, Ohio 43606.

HORR, DR. DAVID AGEE, b. Lawrence, Kans, Nov. 9, 35; m. 64; c. 1. AN-THROPOLOGY. A.B, Kansas, 57; Fulbright scholar, Vienna, 57-58; Ph.D.

- (anthrop), Harvard, 69. Field dir. pop. genetics, Western Reserve Univ, Can, 64; lectr. anthrop, Brandeis, 65-66; sr. res. asst. primate behay, Harvard, Bornee, 67-69, res. fel, 69-70; ASST. PROF, ANTHROP, BRANDEIS, 70- U.S. Mil. Serv, 60-66. AAAS; fel. Anthrop. Asn. Human physical and behavioral adaptation and its evolution; primate behavior and ecology. Address: Dept. of Anthropology, Brandeis University, Waltham, Mass. 02154.
- HORRALL, DR. BERNICE M(OODY). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Consult, Sch. Psychol. Serv, 69- Address: 891 Lake Dr, Ray, Ind. 46737.
- HORTON, DR. FRANK E. Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. Institute of Urban & Regional Research, 102 Church St. Jowa City, Iowa 52240.
- HORTON, PROF. PAUL B(URLEIGH). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 338 Bayview Lane, Plainwell, Mich. 49080.
- HORVATH, DR. ATTILA STEVEN EUGENE, b. Kiskunfelegyhaza, Hungary, July 29, 07: U.S. citizen; m. 37; c. 1. SOCIOLOGY. Dr. Laws, Budapest Inus. Sci. 30; dpl. sociol. Sch. Adv. Int. & Soc. Studies, Paris, 32. Asst. prof. SOCIOL, Ill. Col. 66-68; ASSOC. PROF, WINONA STATE COL, 68. Sociol. Asn. Cultural anthropology; poiltacl sociology; social stratification, Publ: Fountain aflame, Vantage, 70. Address: 358 E. Sarnia St, Apt. 29F, Winona, Minn. 55987.
- HORVATH, DR. PETER. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 126 N. Broadway, Tarrytown, N.Y. 10591.
- HORVITZ, DR. PAUL M(ICHAEL). Economics, Finance. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. Res, Fed. Deposit Ins. Corp, 68- Address: 5821 Lenox Rd, Bethesda, Md. 20034.
- HOSACK, PROF. ROBERT E(WING). Political Science. See A-K Vol., 11th ed, Soc. & Behav. Vols. New information: Also head, 69-, Dept. of Political Science, University of Idaho, Moscow, Idaho 83843.
- HOSEK, DR. WILLIAM RANDOLPH, b. New York, N.Y., Jan. 11, 37; m. 60. ECONOMICS. B.A., California, Santa Barbara, 64, Ph.D.(econ), 67. Assoc. ECON, California, Santa Barbara, 66-67; ASST. PROF, NEW HAMPSHIRE, 67- U.S.A.F., 54-57. Econ. Asn. Monetary theory and policy; macroeconomic theory. Publ: Determinants of the money multiplier, Quart Rev. Econ. & Bus. (in press): co-auth, Further reflections on, and investigations of, money demand, J. Finance, 3/70. Address: Dept. of Economics, Whittemore School Bidg, University of New Hampshire, Durham, N.H. 03824.
- SCHOOL Bidg, University of New Analpsinic, Out Indin, Nr. 1886-18.

 HOSFORD, PROF, PHILIP L(EWIS), b. Lincoln, Nebr. May 7, 26; m. 47; c. 5.

 EDUCATIONAL ADMINISTRATION, MATHEMATICS. B.A, New Mexico
 Highlands, 49, M.A. 33; Ed.D.(ed. admin), Colo. State, 63. Teacher, Roswell
 City Schs, 50-52, prin, elem. sch, 52-54, dir. instry, 54-63; assoc, prof. ed. &
 math. NEW MEXICO STATE, 63-66, dir. student teaching, 66-67, prof. elem. &
 sec. ed, 67-69, PROF. ED. & MATH, 69- Lectr, Dallas County Jr. Col,
 Dist, Tex, 68-69; Tarrant County Jr. Col. Dist, Ft. Worth, 69. Consult, Las
 Cruces City Schs, 63-; math. consult, El Paso City Schs, 64-9; *Small schs.
 prof), N.Mex. State Dept. Ed, 65; Las Vegas City Schs, 69; Ed. Serv. Corp.
 D.C. 69. Mem. Gov. Task Force Ment. Serv, 65. U.S.N, 44-46, Res, 49-33;
 Nat. Guard, 53-58, Capt. Nat. Asn. Supv. & Curriculum Develop; Nat. Coun.
 Teachers Math. Publ. Algebra for elementary teachers, Harcount, 68; A
 unit of instruction on the PTA, N Mex. Parent-Teachers Asn, 68; Dissent
 without dissension? perhaps ... Ed. Leadership, 69. Address: Dept. of
 Education & Mathematics, New Mexico State University, Las Cruces, N.Mex.
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- HOSMER, DR. CLARK L(EWIS), U.S.A.F. Management & Research Psychology. See A.-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. & dir, 69-, Graduate Programs, Georgia State University, Box 1998, Ft. Benning, Ga. 31905.
- HOSTLER, DR. CHARLES WARREN. Political Science, International Relations. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 120 Via Lido Nord, Lido Isle, Newport Beach, Calif. 92660.
- HOTALING, PROF. EUGENE. Psychology, Education. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Education Psychology, Valley City State College, Valley City, N.Dax. 58072.
- HOTSON, DR. JOHN HARGROVE. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Economics, University of Waterloo, Ont, Can.
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- HOURTOULE, PROF. GILBERT O(TTO). Political Science. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Prof. & chm, 69-, Dept. of Political Science, Montclair State College, Upper Montclair, N.J. 07043.
- HOUSKA, DR. MARY DITTMER, b. Amityville, N.Y, Sept. 20, 32; m. 53; c. 3. ECONOMICS. S.B, Simmons Col., 54; Ph.D. (econ), Mass. Inst. Tech, 63. Asst. div. controller, Dewey & Almy Chem. Co. Div, W.R. Grace & Co, 54-57; asst. prof. ECON. & head dept, Radford Col., 64-66; ASST. PROF, HOLLINS COL, 66. Econ. Asn; Asn. Study Soviet-Type Econ. Labor market analysis. Address: Dept. of Economics, Hollins College, Hollins College, Va. 24020.

- HOUSLEY, DR. CARL BLAIR, b. Pennington Gap, Va, Mar. 30, 39; m. 62; c. 1. ECONOMICS. B.S, East Tenn. State, 62; Fed. Water Pollution Control Admin. fel, Fla. State, 68-69, Ph.D.(econ), 69. Instr. ECON, Florissant Valley Community Col, 64-65; Fla. State, 65-68; ASST. PROF, VALPA-RAISO, 69 Econ. Asn. Economic analysis of water quality legislation. Address: 4117 Fulton Dr, Knoxville, Tenn. 37918.
- HOUSTON, DR. BARRIE KENT, b. Boulder, Colo, June 11, 39; m. 66; c. 1. CLINICAL PSYCHOLOGY. B.A, Colorado, 61; U.S. Pub. Health Serv. fel, Stanford, 61-62, 62-87, Ph.D. (psychol), 67. ASST. PROF. PSYCHOL, Texas, Austin, 67-67; KANSAS, 70- Consult, Vet. Admin. Hosp, 68- AAAS; Psychol. Asn. Auditory noise and selective attention; resiliency to stress. Publ: Review of the evidence and qualifications regarding the effects of hallucinogenic drugs on chromosomes and embryos, J. Psychiat, 8/69, Noise, task difficulty and Stroup color-word performance, J. Exp. Psychol, 12/69 & Dogmatism and intolerance for sensory discrepancy, J. Soc. Psychol, 5/70. Address: Dept. of Psychology, University of Kansas, Lawrence, Kans. 66044.
- HOUSTON, DR. JOHN P. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Psychology, University of California, Los Angeles, Calif. 90024.
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- HOVDE, PROF. HOWARD T(HRUNE). Economics, Marketing. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Vis. prof. mkt, col. bus. admin, Florida, 69- Address: 145 Barnegat Blvd, Beachwood, N.J. 08722.
- HOVEY, DR. J(USTUS) ALLAN, JR, b. Cambridge, Mass, May 13, 22; m. 48; c. 1. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. A.B., Swarthmore Col, 48; cert, Grad. Inst. Int. Studies, Geneva, 48; M.A., Columbia, 50, Ph.D. (int. rels, law), 65. Study dir, Coun. For. Rels, New York, N.Y, 51-52; exec. dir, Am. Cmt. on United Europe, New York & Paris, 52-60; govt. rels. rep, Olin Mathieson Chem. Corp, Wash, D.C, 60-65; Wash. dir, Allen & Murden, Inc, 65-68; V. PRES, FREE EUROPE, INC, 68- Lectr, Manhattan Commun. Col, 69- Mem. bd, Atlantic Coun. U.S, Wash, D.C, 62- U.S.A, 43-46, 1st Lt. Coun. For. Rels; Polit Sci. Asn, Soc. Int. Develop. United States foreign policy; East-West relations; international organizations. Publ: The superparliamentary consultation and Atlantic cooperation, Praeger, 66; Industrial Africanization—a case report, Africa Report, 63. Address: 10 Park Ave, New York, NY, 10016.
- HOWARD, DR. BARBARA BYERS. Political Science. See A. K Vol., 11th ed., Soc. & Behav. Vols. New information: No longer with Bur. Govt. Res. & Serv, Washington (Seattle). Address: 2220 Minor E, Apt. 401, Seattle, Wash. 98102.
- HOWARD, PROF. BION B(RADBURY). Finance. See A-K Vol., 11th ed., Soc. & Behav. Vols. Change of address: Graduate School of Management, Northwestern University, Evanston, III. 60201.
- HOWARD, DR. JAMES L(AWRENCE), b. Glen Ellyn, Ill, Nov. 30, 41; m. 63. PSYCHOLOGY. B.A, North Carolina, 63; Nat. Defense Ed. Act fel, Tulane, 65-68, M.S., 66, Ph.D.(psychol), 68. ASST. PROF. PSYCHOL, DEPT. PSY-CHIAT, SCH MED, NORTH CAROLINA, CHAPEL HILL, 68. President's Cmm. Pornography & Obscenity study grant, 69-70. Psychol. Asn. Soc. Psychophysiol. Res. Relationship between physiological and psychological mechanisms, especially the autonomic nervous system and behavior. Public Co-auth, Physiological and psychological effects of pornography. President's Cmm. Obscenity & Pornography, 70; Preparatory cardiac changes: a psyr-hobiological approach, in: Classical conditioning II, Appleton, 70 & The cardiac-somatic relationship: some reformulations, Psychophysiol, 70. Address: Dept. of Psychiatry, University of North Carolina School of Medicine, Chapel Hill, N.C. 27514.
- HOWARD, PROF. JOHN A(RNOLD). Marketing. See A-K Vol, 11th ed, Soc. & Behav. Vols. New publ: Co-auth, The theory of buyer behavior, Wiley, 69. Address: School of Business, Columbia University, 524 Uris Hall, New York, N.Y. 10027.
- HOWARD, DR. MARY TATUM. Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Lectr. & dir. counseling center, Fed. City Col. 68- Address: 112 Kentucky Ave. S.E., Washington, D.C. 20003.
- HOWE, DR. CHARLES WARREN. Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. Correction: Dir. water resources prog, 65- Resources for the Future Inc, 1755 Massachusetts Ave. N.W., Washington, D.C. 20036.

HOWELL, PROF. CHARLES E. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1105 S. Seventh St, Mountain Home, Ark 72653.

HOWELL, PROF. D. L, b. Birmingham, Ala, June 11, 26; m. 52; c. 1. MAN-AGEMENT. B.S. Alabama, 50, M.A, 53, Ph.D. (mgt), 63. Acct, Ala. Power Co, 51-53; U.S. Pipe & Foundry Co, 54-56; systs. & procedures work, Am. Cast Iron Pipe Co, 56-59; asst. prof. bus, Troy State, 65-67; v.pres, 67-68; Southern Mississippi, 64-65; head dept, Troy State, 66-67, v.pres, 67-68; PROF. MGT. & CHMM. DEPT, MISSISSIPP1, 68- U.S.A, 43-45, Res, 52-65; Capt. Indust. Rels. Res. Ass., Arbit. Asn; Soc. Training & Develop; Acad. Mgt. Personnel management; management development. Publ: College courses in personnel management and their respective values, Personnel Adminstr, 11-12/65; Problems of proliferation in offerings in business administration courses at former teachers colleges, Collegiate News & Views, 10/67; Cooperative supervisory training programs, Personnel, 1-2/70. Address: School of Business, University of Mississippi, University, Miss. 38677.

HOWELL, DR. DAVID CHARLES, b. Buffalo, N. Y., June 29, 41; m. 63; c. 1. PSYCHOLOGY. B.A, Middlebury Col, 63; M.S, Tulane, 65, Ph.D.(psychol), 67. ASST. PROF. PSYCHOL, VERMONT, 67- Univ. Vermont Nat. Sci. Found. Inst. grant, 67-68. AAAS; Psychol. Asn. Psychological statistics; verbal learning; decision making. Publ: Co-auth, Association rules in the prediction of recall from free-association matrices, Psychol. Bull, 70: 201-209; auth, Normative and idosyncratic sources of recall and misrecall, 80: 85-90 & Free-association reliability as a function of response strength, (in press), J. Exp. Psychol. Address: Dept. of Psychology, University of Vermont, Burlington, Vt. 05401.

HOWELL, PROF. JOHN C. Christian Ethics. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

HOWELL, PROF. JOHN M(cDADE). International Law & Relations. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dean, 69-, Graduate School, East Carolina University, Box 2733, Greenville, N.C. 27834.

HOWELL, DR. RICHARD W(ESLEY), b. Berkeley, Calif, Sept. 6, 26; m. 48; c. 4. ANTHROPOLOGY, LINGUISTICS. A. B. California, Berkeley, 49, Ph.D. Canthrop), 67; M.A., Hawaii, 51; George Washington, 54-57; Kyushu, 58-59. Analyst intel, Nat. Security Agency, 53-58; tech. consult. cryptoling, Army Security Agency, 58-62; asst. prof. anthrop, Richmond Col. (N. Y), 67-69; ASSOC. PROF. sociol, Saskatchewan, 69-70; ANTHROP, HAWAII, HILO, 70-U.S. Off. Ed. grant, 68-69. U.S.A, 45-46, 8/52, Anthrop. Asn. Linguistically oriented approaches to human behavior, sociolinguistics, psycholinguistics and ethnolinguistics. Publ. A study of informal learning, U.S. Off. Ed, 69; Linguistic choice levels of social change, Am. Anthropologist, 68; co-auth, Hesitation in the production of speech, J. Gen. Psychol, 69. Address: c/o Benn, 406 Tenth St, Antioch, Calif. 94509.

HOWELL, PROF. WILLIAM HARRY, b. Wilson, N.C, Feb. 14, 21; m. 61; c. 1. SOCIOLOGY. A. B. J.C. Smith Univ, 43; M.A. Atlanta, 47; Case Western Reserve, 49-50; P.D. (Sociol.), Ohio State, 57. Assoc. prof. SOCIOL, S.C. State Col, 53-57, prof. 57-61, chmn. dept. 60-61; PROF, NORTH CAROLINA CENTRAL, 61; CHMN. DEPT, 66. Co-prin. investry, Nat. Inst. Ment. Health res. grant, 63-64. Qm.C, U.S.A, 43-46, Sgt. Fel. Sociol. Asn. Race relations; aged and role participation. Publ. Co-auth, Role characteristics of flexible and inflexible retired persons, Sociol. & Soc. Res, 1/65 & The problems of role adjustment of the retired, Varia, 5/69. Address: Dept. of Sociology, North Carolina Central University, Box 19701, Durham, N.C. 27707.

HOWLAND, PROF. RICHARD HENRY, b. Grand Rapids, Mich, Mar. 27, 25; m. 58; c. 6. MARKETING, B.A, Michigan, 49, Ph.D, 64; M.S, Simmons Col, 50. Coordinator retailing & Eng. Cent. & Creston High Schs. & Grand Rapids Jr. Col, 50-55; assoc. prof. mkt. & head dept, Ferris State Col, 55-64; PROF. MKT. & HEAD DEPT, NORTHERN HILLNOIS, 64- Pres, Howland Enterprises, 63; R.H. Howland & Assocs, 65-, founder & pres, Four-Way Selling, 67- U.S.A.A.F, 43-45, T/Sçt; presidential Citation, Air Medal & Six Oak Leaf Clusters. Mkt. Asn; Sales & Mkt. Execs. Int. Marketing feasibility studies; sales training and executive development seminars. Publ: Co-auth, Principles of marketing, Pitman, 61; auth, Promote properly or perish, Mich. Retailer's Annual J, 62. Address: 364 Rolfe Rd, De Kalb, Ill. 60115.

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HOYT, PROF. DONALD P(AUL). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. psychol. & ed. & dtr. ed. res, Kansas State, 68- Address: 2806 Oregon Lane, Manhattan, Kans. 66502.

HOYT, PROF. KENNETH BOYD. Counseling, Guidance. See A-K Vol., 11th ed, Soc. & Behav. Vols. New position & address: Prof. 69-, College of Education, University of Maryland, College Park, Md. 20740.

HSIANG, DR. PAUL S. Philosophy. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos, Relig. & Law.

HSIAO, DR. FRANK SHENG-TIEH, b. Taiwan, Sept. 14, 33; m. 68. ECO-NOMICS. B.A, Taiwan, 56, M.A, 59; fel, Rochester, 61-64, M.A, 64, Ph.D. (econ), 67. Vis. asst. prof. ECON, COLORADO, 66-67, asst. prof, 67-69, ASSOC. PROF, 69- Summers, res. grant, Colorado, 68, res. initiation faculty fel, 69. Econ. Ass; Statist. Asq.; Economet. Soc; Royal Econ. Soc. Economic theory; mathematical economics; mathematical models of economic growth and development; optimal growth; technological changes. Publ: Technical progress and the production function, a synthesis, In: Papers in quantitative economics, Univ. Kansas, 68; Some notes on the elasticity of substitution, Am. Econ. Rev, 69; The diagrammatical representation of con-

fidence interval estimation and hypothesis testing, Am. Statistician, 70. Ad dress: Dept. of Economics, University of Colorado, Boulder, Colo. 80302.

HSIEH, ALICE LANGLEY. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Sr. res. staff mem, 69-, Institute for Defense Analyses, 400 Army-Navy Dr, Washington, D.C. 22202.

HSIN, PROF. YING, b. Linchuen Hsien, China, Oct. 22, 14; U.S. citizen; m; c. 2. ECONOMICS, MATHEMATICS. B.A. Nat. Univ. Peking, 39; M.A., Michigan, 46, fel. & Ph.D.(econ), 47; Columbia, 65-67. PROF. econ, Tex. Col., 60-61; math, Bishop Col, 61-62; Winston-Salem State, 62-64; ECON, Methodist Col, 61-68; ELIZABETH CITY STATE, 68- Price theory and Red China's economic problems; comparative systems and the problem of from nationalism to internationalism. Publ: Keynesian economics, 52 & Red China's foreign trade, 54, Union Press; Economic analysis, China Enterprise Co, 56. Address: 204 Queen St, Elizabeth City, N.C. 27909.

HSIUNG, DR. JAMES CHIEH. Political Science. See A-K Vol., 11th ed., Soc. & Behav. Vols. New position: Assoc. prof. polit. & chmn. East Asian Prog. N.Y. Univ, 69- Address: 88-80 195th Place, Hollis Park Gardens, N.Y. 11423

HU, DR. TE CHIANG, b. Peiping, China, Nov. 28, 30; U.S. citizen: m. 60; c. 3. APPLIED MATHEMATICS. COMPUTER SCIENCE B.S, Taiwan, 55; M.S. Illinois, 55; Ph.D. (appl. math). Brown, 60. Mathematician, IBM Res. Center, 60-64; assoc. prof. opers. res, California, Berkeley, 64-65; Columbia, 65-66; MATH. & COMPUT. SCI, WISCONSIN, MADISON, 66-68, PROF, 66. Programmen mem, Math. Res. Center, Univ. Wisconsin, 66- Mathematician, IBM Res. Center, 65-66. Consult, Rand Corp. 64; Off. of Emergency Preparedness, Exec. Off. of President, 68- Soc. Indust. & Appl. Math; Opers. Res. Soc. Am. Discrete optimization; integer programming; network flows; combinatorial mathematics; mathematical programming; operations research; plasticity. Publ: Integer programming and network flows, Addison-wesley, 69. Address: Mathematics Research Center, University of Wisconsin, Madison, Wis. 53706.

HU, DR. TEH-WEI, b. Shanghai, China, Oct. 10, 37; m. 65; c. 2. ECONOMICS. B.A, Tunghai, 59; M.A, Wisconsin, Madison, 65, Ph.D. (econ), 67. Statist. analyst econ. dept, World Bank, 63-64; asst. prof. ECON, PA. STATE, 66-69. ASSOC. PROF, 69-, RES. ASSOC. INST. RES. ON HUMAN RESOURCES, 66-Consult, dept. ed, State of N.J, 69. Econ. Asn; Economet. Soc; Statist. Asn. Econometrics; cost-benefit analysis; economics of education and health. Publ: Introduction to economics, Barnes, 71; co-auth, The economic returns to vocational education, J. Human Resources, fall 70; auth, Hyperinflation and the dynamics of the demand for money in China, J. Polit. Econ, 71. Address: 425 Kemmerer Rd, State College, Pa. 16801.

HUANG, DR. I-NING, b. Hangchow, China, Dec. 11, 39; m. 64; c. 1. LEARN-NG PSYCHOLOGY. B.S, Taiwan, 61; M.A, New Mexico State, 64; Ph.D. Gearning psychol), Texas, 68. Res. assoc, computer-assisted instr. lab, col. ed, Texas, 66-68; ASST. PROF. PSYCHOL, WISCONSIN STATE-WHITE-WATER, 68- Wis. State Univ. state res. cmt. grants, 69, 69-70. Successive contrast effects and theories of extinction in learning; selective feedbacks in paired-associates learning. Publi: Successive contrast effects as a function of type and magnitude of reward, J. Exp. Psychol, 82: 64-69; co-auth, The effect of initial reward on the rate of reacquisition, Psychonomic Sci, 18: 39-40. Address: Dept. of Psychology, Wisconsin State University, Whitewater, Wis. 55190.

HUBBARD, DR. CHARLES W(ALTER), b. Houston, Tex, Oct. 24, 40; m. 60; c. 2. BUSINESS ADMINISTRATION. B.B.A, Houston, 63, M.B.A, 65; Am. Risk & Ins. Asn. summer tel, Arkansas, 68, Ph.D. (bus. admin), 70. Instrumgt, Arkansas, 67-68; ASST. PROF. MKT, Bowling Green State, 68-70; KANSAS STATE, 70- U.S.A.R, 63-69. Problems of sales force turnover and monetary allocations to advertising and sales promotion programs, measuring the effects of such allocations. Publ. Cut your advertising budget lately? Bur. Bus. Serv. & Res. Eastern Michigan. 69; 71e shelving of increased sales. Serv. & Res. Eastern Michigan. 69; 71e shelving of increased sales. Serv. & Res. Eastern Michigan. 69; 71e shelving of increased sales. Serv. & Res. Eastern Michigan. 69; 71e shelving of increased sales. Serv. & Res. Eastern Michigan. 69; 71e shelving of increased sales.

HUBBARD, DR. HAROLD G(ENE). Social Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Consult. prin, Fry Consults, Inc, 68- Address: California State College at Long Beach, Long Beach, Calif.

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HUBER, DR. JAMES H, b. Nanticoke, Pa, Aug. 3, 39; m. 60. SOCIOLOGY. B.S, Bloomsburg State Col, 62; West Virginia, 62-63; M.A, Delaware, 64; U.S. Off. Ed. grant, Pa. State, 66-69, Ph.D. (sociol), 70. Census dir, Delaware, 63-64; instr. SOCIOL, Pa. State, 64-68, proj. dir, U.S. Off. Ed. & Pa. State, 68-69; res. asst, Pa. State, 69; sr. res. scientist, N.Y. State Dept. Soc. Serv, 69-70; ASST. PROF. URBAN STUDIES, AKRON, 70- Sociol. Asn. Sociology of occupations and professions; higher education; social services delivery systems. Publ. A process approach to the professionalization of

- sociology, Et Al, summer 68; The occupational roles of college professors, Mongr, U.S. Govt, 70. Address: Dept. of Urban Studies, University of Akron, Akron, Ohio 44304.
- HUBER, DR. WOLFGANG KARL. Psychiatry. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- HUCKABEE, PROF. MALCOM WAYNE, b. Olton, Tex, Nov. 22, 34; m. 57; c. 3. PSYCHOLOGY. B.A, Miss. Col., 56; Fulbright fel, Edinburgh, 56-57; B.D., Southwest. Baptist Theol. Sem, 60; M.A, Texas Christian, 61; Nat. Sci., Found. fel. & Ph.D. (psychol), Southern Mississippi, 65. Dir. rehab, Good-will Industs. Ft. Worth, Tex, 57-61; counselor, guid center, Texas Christian, 61; instr., psychol, Judson Col., 61-63, asst. prof. psychol. & chmn. instnl., 78; 63-66; assoc. prof. psychol, SouTHERN MISSISPIPI, 66-68, PROF. PSYCHOL. & DIR. GRAD. STUDIES PSYCHOL, 68. AAAS; Soc. Sci. Study Relig: Psychol. Asn. Cognitive styles; individual differences in perception; adaptation level theory; correlates of academic performance; judgements of religious symbols; religious development. Address: Dept. of Psychology, University of Southern Mississippi, Hattiesburg, Miss. 39401.
- HUCKINS, PROF. WESLEY CONRAD, b. Sundance, Wyo, Aug. 12, 18; m. 42; c. 4. GUIDANCE & COUNSELING. B. S.Ed, Black Hills State Col., 53; M.A, Wyoming, 55, Nat. Defense Ed. Act left, 60-63; Ed.D. Counseling, guid), 63. Instr, high sch, Wyo, 45-47; indust. arts, Black Hills State Col., 53-54; supt. schs, Sundance Pub. Schs, 55-59; counsr, Sheridan High Sch, 59-60; instr. gen. psychol, Univ. Wyoming, 62-63; assoc. prof. GUID. & COUNSELING, O're. State Syst. Higher Ed, 63-68; PROF, WRIGHT STATE, 68 Res. consult, Inst. Develop. Ed. Activities, Kettering Found, 67-68. U.S.A.A.F, 41-45, 1st Lt. Psychol. Asn. Personnel & Guid. Asn, Asn. Counsr. Ed. & Supv. Legal and ethical status of school counselors; interaction processes in classrooms and in small groups. Publ: Co-auth, Readings in educational psychology, Int. Textbook, 66 & Readings in human development, Allyn & Bacon, 67, 2nd ed, 71; auth, Legal and ethical aspects of guidance, Houghton, 68. Address: 2309 Randy Dr., Kettering, Ohio 45440.
- HUDDLE, DR. DONALD L(eROY). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Dept. of Economics, Rice University, Houston, Tex. 77001.
- HUDDLESTUN, PROF. DWIGHT L, b. Rose Hill, Ill, Nov. 11, 08; m. 46; c. 1. GEOGRAPHY. B.S.Ed. & M.S.Ed. Eastern Illinois, 60; summers, Indiana State, 65-66, Ouachita Baptist, 67. Teacher pub. schs, Ill, 28-38; meat inspector, U.S. Bur. Agr. Econ, 38-41, 46-47 & 48-50; super. technicians, Mex.-Am. Cmn. for Eradication of Hoof & Mouth Disease, Mex. Bur. Agr. Econ, 48-50; self-employed, 50-36; prin, pub. schs, Ill, 57-58; ASSOC. PROF. GEOG, SOUTH. STATE COL. (ARK), 62- Consult, Am. Inst. Urban & Regional Affairs, 68- Med. C, U.S.A, 41-46, M/Sgf. Asn. Am. Geog; Am. Inst. Urban & Regional Affairs; Nat. Coun. Geog. Ed. The Panuco River Basin and its economic development; China and the American predicament in Viet Nam; the impact of the Ejido system on social consciousness in Mexico. Address: Dept. of Geography, Southern State College, Magnolia, Ark. 71753.
- HUDSON, DR. CHARLES MELVIN, JR, b. Monterey, Ky, Dec. 24, 32; m. 68; c. 2. ANTHROPOLOGY, ETHNOHISTORY. A.B. Kentucky, 59; Woodrow Wilson Found. fel, North Carolina, 59-60, South. Fel. Found. fel, 60-62, Nat. Inst. Ment. Health fel, 63-64, Ph.D. (anthrop), 65. Asst. prof. ANTHROP, GEORGIA, 64-68, ASSOC. PROF. 68. U.S.A.F., 50-54, S/Sgt. Ethnol. Soc; Soc. Ethnohist. History and culture of Indians of Southeastern United States; structure of preliterate and folk belief systems. Publ: The Catawba nation, Univ. Georgia, 70; Isometric advantages of the cradie board, Am. Anthropologist, 66; Folk history and ethnohistory, Ethnohistory, 65. Address: Dept. of Sociology and Anthropology, University of Georgia, Athens, Ga. 30601.
- HUDSON, DR. ESTEL H, b. Montevallo, Mo, Oct. 17, 28; m. 55; c. 3. AGRI-CULTURAL ECONOMICS. B.S, Missouri, 53, M.S, 57, Ph.D. (agr. econ), 62. County agent, Univ. Missouri, 55-56, instr. agr. econ, 57-62; asst. prof. Tennessee, 62-65; ASSOC. PROF. ECON, CENT. MO. STATE COL, 65-U.S.A, 53-55. Agr. Econ. Asn. Planning farms by linear programming and budgeting procedures. Address: Dept. of Economics, Central Missouri State College, Warrensburg, Mo. 4903.
- HUDSON, PROF. JOHN B(OSWELL), b. Decatur, III, June 1, 30; m; c. 2. SO-CIOLOGY. B.A, Oregon, 52; M.A, Washington (Seattle), 56; Ph.D. (sociol), Cornell, 63. Asst., prof. sociol, Humbolt State Col, 60-61; family rels, Cornell, 61. 64; sociol, Lehigh, 64-65; Syracuse, 65-66; res. assoc, med. sch, Harvard, 66-67; res. sociologist, State Dept. Ment. Health, Mass, 67-68; sr. sociologist, Ath Assocs, Inc, 68-69; assoc. prof. SOCIOL, TRENT, 69-70, PROF, 70. Lectr, Boston Col, 66-69; Harvard, 67-69; Soc. Sci. Res. Coun. tel, summer 64. Consult, Nash-Vigier Planning Consults, Inc, Mass, 68; res. consult, Jefferson Med. Col, 64-65. Am. Sociol. Asn; Can. Sociol. & Anthrop. Asn. Theoretical research on creative behavior and the process of organizational innovation; theoretical and methodological studies to optimize process of research and development linking basic research to solution of social problems. Publ: Theory construction as research method, Free Press, 71. Address: Dept. of Sociology, Trent University, Peterborough, Ont, Can.
- HUDSON, DR. ROBERT LEWIS, b. Calico Rock, Ark, Oct. 25, 42; m. 64; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A, Arkansas, 64, NASA fels, 65-67, M.A, 68, Ph.D. (psychol), 67. Lectr. PSYCHOL, Cent. Wash. State Col, 67-68; ASST. PROF, MISS. STATE, 68- Consult, bur. Indian affairs summer workshop, Cent. Wash. State Col, 68. Psychol. Asn. Human memory; language processes; verbal learning; thinking. Publ. Category clustering as function of level of information and number of stimulus presentations, J. Verbal Learning & Verbal Behay, 7: 1106-1122; Category clustering for immediate and delayed recall as a function of recall cue information and response dominance variability, J. Exp. Psychol, 28: 575-577; co-auth, A major modification of the Bousfield (1966) measure of category clustering,

- Behav. Res. Methods & Instrumentation 1: 110-111. Address: P.O. Drawer PF, Dept. of Psychology, Mississippi State University, State College, Miss. 39762.
- HUDSPETH, DR. WILLIAM JEAN. Psychobiology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- HUEGLI, PRES. ALBERT G(EORGE). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Pres, 68-, Valparaiso University, Valparaiso, Ind. 46383.
- HUESMANN, DR. L. ROWELL, b. Detroit, Mich, Jan. 20, 43; m. 64; c. 1. COMPUTER SCIENCE, PSYCHOLOGY. B.S. Michigan, 64; U.S. Pub. Health Serv. Iel, Carnegie Inst. Tech, 65-68, M.S., 67, Ph.D.fcysts. sci), Carnegie-Mellon, 68. Data analyst geophys. Inst. Sci. & Tech, summer 62; res. asst. neuropsychol, Michigan, 63-64; res. asst. systs. sci, Carnegie-Mellon, 64-68; lectr. psychol, YALE, 68-69, ASST. PROF. PSYCHOL. & COMPUT. SCI, 69- Summers, staff scientist, Mitre Corp, 66; participant, workshop in perception & psychophys, 70. Ed. consult, Am. Scientist, 69; Jour. Math. Psychol, 70. Asn. Comput. Mach; Psychol. Asn. Psychomet. Soc. Artificial intelligence; simulation, psychometries; heuristic programming; man-machine interaction. Publ: Co-auth, Evaluating computer systems through simulation, Comput. Jour, 67; auth, A model for assymetry of recall in relational triads, Psychonomic Sci., 69 & A Study of heuristic learning methods for optimization tasks, Am. Fedn. Info. Processing Societies Proc. 70. Address: Dept. of Psychology, Yale University, New Haven, Conn. 06510.
- HUFF, DR. HARRY BRUCE, b. Picton, Ont, Nov. 2, 42; m. 66; c. 1. AGRI-CULTURAL ECONOMICS. B.S.A, Guelph, 65; M.Sc, Mich. State, 67; Can. Coun. fel, 86-89, Ph.D. (agr. econ.), 69. Res. asst, Mich. State, 65-69; ASST. PROF. AGR. ECON, GUELPH, 69. Am. Econ. Asn; Am. Agr. Econ. Asn; Can. Econ. State Univ. State Univ. State Univ. Statuer of the unit world wheat market, Can. J. Agr. Econ. (2/6). Address: Dept. of Agricultural Economics, University of Guelph, Guelph, Ont, Can.
- HUFF, PROF. RITA BELL, b. Cushing, Okla, Apr. 5, 24. BUSINESS ADMINISTRATION. B.S. Okla. State, 46, M.S. 51; D. Ed. (bus. ed.). Houston, 63. Secy. to chief justice, Okla. State Supreme Court, 46-49; teacher pub. schs, Okla, 49-53; legal secy. & acct, Mul-Berry Oil Co, Okla, 53-54; teacher pub. schs, Tex, 54-36; bus, San Antonio Col, 56-57; PROF. BUS. ADMIN, SAM HOUSTON STATE, 57 Mem, inst. Certilying Secretaries. Inst. Cert. Pub. Acct; Inst. Cert. Prinl. Secretaries; Nat. Bus. Ed. Asn. Accounting; office management; business education. Publ: Does evaluation in book-keeping bother you?, Bus. Ed. Forum, 3/64; Specialization vs. generalization: Specialized study pays1, Collegiate News & Views, 5/65; Current status of accounting in higher education, Delta Pi Epsilon J, 8/69. Address: Dept. of Business Administration, Sam Houston State University, Huntsville, Tex. 77340.
- HUFFAKER, PROF. CARL L(EO). Psychology, Education. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1601 Oliver St, Apt. 907, Eugene, Ore. 97401.
- HUFFMAN, ARTHUR V(INCENT). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chief prful. serv, 70-, Dept. of Corrections, State of Illinois, 201 State Armory Bldg, Springfield, Ill. 62706.
- HUFFMAN, PROF. JAMES FLOYD. Speech, History. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- HUGHES, DR. CHARLES L(LOYD). Industrial Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. corp. indust. res, 69-, Texas Instruments Inc, P.O. Box 5474, Dallas, Tex. 7522.
- HUGHES, PROF. EUGENE H(ARLEY). Economics, Marketing. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Lectr. Sacramento State Col, 68- Address: 6676 Gloria Dr, Sacramento, Calif. 95831.
- HUGHES, PROF. EVERETT C(HERRINGTON). Sociology. See A-K Vol., 11th ed, Soc. & Behav. Vols. New information: Vis. prof, Boston Col, 68-71. Address: 27 Shepard St, Cambridge, Mass. 02138.
- HUGHES, DR. HAROLD. Economics, Business Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 812 Eighth St, Orange, Tex. 77630.
- HUGHES, DR. HEIDI B(RUNNER), b. Zurich, Switz, May 24, 30; U.S. citizen. PSYCHOLOGY. Matura, Toechterschule, Zurich, Switz, 50; B.A, Westmar Col, 54; M.A, Southern Illinois, 62, P.h.D. (clin. psychol), 66. Recreational therapist, Yankton State Hosp, S.Dak, 54-55; rehab. dir, Kane County Tuberc Sanit, Aurora, Ill, 35-60; res. assoc. behav. modification, Anna State Hosp, Ill, summer 63, clin. intern psychol, 63-64, ward adminstr, 64-66; prin. investr, Inst. Behav. Res, Md, 66-68; ASST. PROP. PSYCHOL, DAL-HOUSIE, 68- Psychol. Asn; Translators Asn. Human applications of operant conditioning techniques; behavioral therapy and research: learning; language and verbal behavior. Address: Dept. of Psychology, Dalhousie University, Halifax, N.S., Can.
- HUGHEY, DR. JIM DUFF. Speech. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- HUITEMA, DR. BRADLEY E, b. Hammond, Ind, July 28, 38; m. 61; c. 2. PSYCHOLOGY. B.A, Southern Illinois, 61; M.A, Western Michigan, 62; Ph.D. (psychol), Colorado State, 68. Res. psychologist, U.S. Army Enlisted Eval. Center, 62-64; asst. res. prof. Teaching Res. Div. Oregon State Syst, 67-68; ASST. PROF. PSYCHOL, WESTERN MICH, 68. Instr., evening div. Ind. Cent. Col, 63- Ed. consult, State Farm Ins. Co, 67-68. Psychol. Asst. Ed. Res. Asn. Statist. Asn. Personnel research, experimental design, mul-

tivariate analysis; psychometrics. Address: Dept. of Psychology, Western Michigan University, Kalamazoo, Mich. 49001.

HULBERT, PROF. THOMAS EUGENE, b. Ft. Edward, N. Y. Sept. 1, 35; m. 57; c. 6. INDUSTRIAL ENGINEERING, B. Mgt. E, Rensselaer Polytech, 57; M.S. Northeastern, 64. Proj. indust. eng., Armstrong Cork Co, Mass, 57-60; sr. indust. eng., indust. eng., indust. eng., indust. eng. 60-63; ASSCO. PROF. INDUST. ENG. NORTHEASTERN, 63-, ASST. DEAN COL. ENG. 69-, assoc. dir. off. ed. resources, 67-69. Consult, Raytheon Co, Mass; Huller Mig. Co; McElwain Shoe Co, N. H; Hersey Sparling Meter Co; Worthington Controls Co, Mass; Morgan Memorial Goodwill Indust; Prin-Eng. Mgt. Assocs, Mass. Inst. Indust. Eng; Soc. Eng. Ed. Computer based learning; systems analysis; knowledge from manufacturing, production, and operations research applied to instructional problem solving. Publ: Co-auth, A systems model for instructional service, In: Handbook for college and university administration, McGraw, 70- Address: School of Engineering, Northeastern University, Boston, Mass. 02115.

HULL, PROF. EUGENE L. Economics, Finance. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir. bus. & financial affairs, 70-, Barry College, 11300 N.E. Second Ave, Miami Shores, Pla. 33161.

HULSE, PROF. STEWART H(ARDING), JR. Experimental Psychology. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. 69-, Dept. of Psychology, Johns Hopkins University, Baltimore, Md. 21218.

HUMBARGER, DR. GEORGE LAUREN, b. Decatur, Ind, July 15, 23; m. 47; c. 4. BUSINESS ADMINISTRATION. B.S, Huntington Col, 54; M.S, Indiana, Bloomington, 62, Ph.D, 69. Chmn. dept. bus. admin, IND. CENT. COL, 62-69, PROF. BUS. ADMIN. & CHMN. DEPT. BUS. ADMIN. & ECON, 69- U.S.N, 42-45, Ens. The influence of teaching methods and textbooks on learning achievement of students in accounting. Publ: Elementary bookkeeping, 65 & Introduction to management, 69, Ind. Cent. Col. Address: Dept. of Business Administration & Economics, Indiana Central College, 4001 S. Otterbein, Indianapolis, Ind. 46227.

HUMPHREYS, PROF. LLOYD G(IRTON). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. ed. & psychol, no longer head, Dept. of Psychology, University of Illinois, Urbana, Ill. 6180.

HUMPHREYS, PROF. WILLIAM BENJAMIN, b. Lexington, Tenn, Apr. 24, 29; m. 51; c. 3. GUDANCE, COUNSELING. B.A. Murray State Col. 50, M.A. 62; Ed.D. Counseling), Indiana, Bloomington, 67. Teacher, high sch, Tenn, 50-51; Mo, 53-54; mgr, Gideon-Anderson Grain Elevators, 54-61; asst. prof. guid. & counseling, Murray State, 62-65; instr, Nat. Defense Ed. Act Inst. Indiana, Bloomington, 65-66; assoc. prof. GUID. & COUNSELING, MURRAY STATE, 66-69; PROF. & CHMN. DEPT, 69- Chmn. elem. guid. adv. cmt, State Dept. Ed, Ky, 64-68. U.S.A, 51-53. Personnel & Guid. Asn, Asn. Counser. Ed. & Supy; Psychol. Asn. Counseling practicum supervision; organization and administration of counseling services. Publi Guidance the elementary school, Ky, State Dept. Ed. Bull, 68. Address: Dept. of Guidance & Counseling, Murray State University, Murray, Ky. 42071.

HUNERYAGER, DR. S(HERWOOD) G(EORGE). Business Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New information: Also assoc. dean, 68-, College of Business Administration, University of Illinois, Box 4348, Chicago, Ill. 80690.

HUNEYCUTT, PROF. ARCHER W(AYBURN), b. Sparkman, Ark, July 5, 31; m. 53; c. 2. MARKETING, ORGANIZATIONAL BEHAVIOR. B.S, Arkansas State, 57; M.B.A, Arkansas, 59, Ph.D. (mkl), 66. Res. asst. bus. & econ, Arkansas, 57-58; instr. bus, Southwest Mo. State Col, 58-61; econ, Arkansas, 61-62; asst. prof. bus, Southwest Mo. State Col, 52-66; instr. econ, Western Illinois, 66; assoc. prof. MKT, Arkansas, 66-67; PROF, LA. POLYTECH, 67- U.S.A.F, 50-54, S/Sgt. Mkt. Asn. Marketing research and management; consumer behavior; advertising; microeconomics; management; organization behavior. Address: Dept. of Marketing, Louisiana Polytechnic Institute, Ruston, La. 71270.

HUNG, DR. FRED C(HIA-CHUN). Economics. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position: Prof. econ. & chmn, East Asian Studies Cmt. 68-, Dept. of Economics, University of Hawaii, Honolulu, Hawaii 9682.

HUNGATE, DEAN ROBERT PAUL. Finance. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dean, 69-, School of Business Administration, San Diego State College, San Diego, Calif. 92115.

HUNT, DR. JAMES G(ERALD), b. Denver, Colo, Feb. 2, 32; m. 56; c. 3. MANAGEMENT, BEHAVIORAL SCIENCE. B.S, Michigan Tech, 54; M.A. Illinois, 58; Ph. D (bus), 66. Proj. engr., power develop, sect, Pontiac Motor Div, Gen. Motors Corp, 54-56; personnel asst, Mich. Limestone Div, U.S. Steel Corp, 57-58; instr. bto. M. Va. Inst. Tech, 58-61; asst. prof. MGT, SOUTHERN ILLINOIS, 66-89, ASSOC. PROF, 69- Ford Found. summer workshop, 68. Acad. Mgt. Applications of behavioral science research to simulated and real organizations. Publ. Fielder's leadership contingency model: an empirical test in three organizations, Orgn. Behav. & Human Performance, 67; Status congruence in organizations; effects and suggested research, Proc. Acad. Mgt, 67; co-auth, The new look in motivation theory for organizational research, Human Orgn, 69. Address: Dept. of Management, Southern Illinois University, Carbondale, Ill. 62901.

HUNT, LEON GIBSON. Operations Research, Applied Mathematics. See Suppl. V to 11th ed, Phys. & Biol. Vols.

HUNT, DR. MURIEL EVA, b. Buenos Aires, Argentina, Apr. 12, 34; U.S. citizen; m. 60; c. 1. SOCIAL ANTHROPOLOGY, ETHNOHISTORY. Bachillerato, Womens Univ. Mexico, 52; Scb. Anthrop, Mex, 53-56; M.A., Chicago, 59, Ph.D.(anthrop), 62; fel, Northwestern, 61-62. Res. asst. SOC. ANTHROP, Chiapas Proj. (chiago, 58-60, lectr, univ. 66-58, asst. prof. 68-69; res. assoc. Northwestern, 63-64; ASSOC. PROF. P.OSTOR. 69- Nat. Sci. Found, grant, Mex, 63-64. Men., Intervillage Orgn. Ethnohist. Outstanding

new citizen of year citation, Metrop. Coun, Chicago, Ill, 68. Fel. Anthrop. Asn. Social anthropology, especially social organization, peasants and kinship systems; Mexico and Latin America. Publ: Co-auth, Local and territorial units in Middle America, In: Handbook of Middle American Indians. Univ. Texas, Vol. 6, 67; auth, The meaning of kinship in San Juan; genealogical and social models, Ethnology, 68; The socio-political organization of Cuicatec Cacicagos, Peabody Fund, Univ. Texas, (in press). Address: Dept. of Sociology & Anthropology, Boston University, 232 Bay State Rd, Boston, Mass. 02215.

HUNT, DR. ROBERT CUSHMAN, JR. Anthropology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Assoc. prof. 69-, Dept. of Anthropology, Brandeis University, Waltham, Mass. 20154.

HUNT, DR. WILLIAM H(ARRISON). Political Science. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address; Asst. prof, 68-, Dept. of Political Science, Youngstown State University, Youngstown, Ohio 44503.

HUNTER, DR. JOHN EDWARD, b. Dayton, Ohio, Mar. 29, 39; m. 60; c. 2. PSYCHOLOGY. Ph.D.(psychol), Illinois, 64. ASST. PROF. PSYCHOL. MICH. STATE, 64- AASA; Psychomet. Soc. Mathematics; learning; psychometrics. Address: Dept. of Psychology, Michigan State University. East Lansing, Mich. 48824.

HUNTER, PROF. JOHN M(ERLIN). Economics. See A.K Vol. 11th ed. Soc. & Behav. Vols. New information: Also dir. Latin American Studies Center. 70-, Dept. of Economics, Michigan State University, East Lansing, Mich. 48823.

HUNTER, PROF. JOHN ORR. History, Government. See 5th ed. Dir. Am. Scholars, Vol. I, Hist.

HUNTER, DR. STEVEN JOHN. Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Exec. v.pres, Md. Banking Serv. Corp. 70-Address: 2731 N. Norwood St, Arlington, Va. 22207.

HUNTING, DR. C(LARENCE) E(UGENE). Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Asst. prof. comput. sci., Pittsburgh, 69-Address: P.O. Box 7376, Pittsburgh, Pa. 15213.

HUNTINGTON, DR. DOROTHY A(LLISOM), b. Boulder, Colo, June 1. 20. SPEECH & HEARING SCIENCE, EXPERIMENTAL PHONETICS. B.A. Colorado, 43, M.A. 44; M.S. Illinois, 49, fel, 50-52, Pb. D. (Speech sci. exp. phonetics), 52. Instr. SPEECH & HEARING SCI, STANFORD, 52-55, asst. prof., 55-61, ASSOC. PROF, 61- Consult, Int. Tel. & Tel. Corp., 56-63: Vet. Admin, 64- Fel. Speech & Hearing Asn, Acoustical Soc. Am. Publ: Co-auth. Speech discrimination of hearing-impaired individuals in noise, J. Audit. Res, 65 & An electromyographic study of consonant articulation in hearing impaired and normal speakers, J. Speech & Hearing Res, 68; auth, Anatomical and physiological bases for speech, In: Cleft palate and communication. Acad. Press, 68. Address: Dept. of Speech & Hearing Science, Stanford University Medical Center, Stanford, Calif. 94305.

HUNTINGTON, PROF. SAMUEL P(HILLIPS). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New publ: Political order in changing societies, Yale, 68. Address: Center for International Affairs, Harvard University, 6 Divinity Ave, Cambridge, Mass. 02138.

HUNTLEY, JAMES ROBERT b. Tacoma, Wash, July 27, 23; m; c. 4. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. B.A., Washington (Seattle).
46, Carnegie fel, 51; M.A., Harvard, 56. Prog. secy. Univ. Washington
YMCA, 46-48; dir., Highline Recreation Coun, Seattle, 48; consult, State
Parks & Recreation Cmn, Wash, 48-51; for. serv. officer, U.S. For. Serv.
52-60; exec. secy. Atlantic Inst, Paris & D.C. 60-65; prog. assoc. int. affairs, Ford Found, N.Y. 65-67; secy. gen, Atlantic Cols, London, 67-68;
WRITER, LECTR. & CONSULT. INT. AFFAIRS, 68-Consult, Atlantic Coun.
U.S, D.C. & Atlantic Info. Centre for Teachers, London, 68-; N.Atlantic
Sasembly, Brussels & Hilfe Set. & Tech. Pub. Ltd. Guildford, Eng. 69; Regional Coun. Int. Ed., Pittsburgh, Pa, 70- U.S.N, 43-46. Soc. Citizen Ed.
World Affairs. Historical and contemporary development of relations between Europe and the United States and Canada; the growth of the Atlantic
community of nations. Publ: Co-ed, The Atlantic community, force for
peace, Nat. Asn. Sec. Sch. Prins, 63; auth, The NATO story, Manhattan, 65
68; co-auth, Europe and America—the next decade, Walker, 70. Address: Trectops, 17 Beech Lane, Guildford, Surrey, Eng.

HUNTLEY, DR. P(ATRICK) R(OSS). Economics, Statistics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. & head, 69-. Dept. of Quantitative Management Science, College of Business Administration, University of Arkansas, Fayetteville, Ark. 72701.

HUNTLEY, DR. ROBERT ROSS. Internal Medicine, Health Services Organization. See Suppl. V to 11th ed, Phys. & Biol. Vols.

HURH, DR. WON MOO PAUL. Sociology, Anthropology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 69-, Dept. of Sociology & Anthropology, Western Illinois University, Macomb, Ill. 61455.

HURST, DR. PAUL M(ITCHELL), JR. Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Pres, 68-, Institute for Research, 257 S. Pugh 8t, State College, Pa. 16801.

HURTER, DR. ARTHUR P(ATRICK), JR. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn. dept. indust. eng. & mgt. sci, Northwestern 69- Address: 1505 W. Norwood St, Chicago, Ill. 60626.

HURWITZ, ABNER. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prin. statist. adv, U.S. Agency Int. Develop, Bogotá, 69- Address: American Embassy, Bogotá, Colombia.

HUSHAK, DR. LEROY J, b. Clutier, Iowa, Sept. 15, 39; m. 65. ECONOMICS, AGRICULTURAL ECONOMICS. B.S, Iowa State, 61; M.A. & Ph.D. (econ),

Chicago, 68. ASST. PROF. AGR. ECON, OHIO STATE, 68- U.S.A.R, 61-69, Capt. Econ. Asn; Agr. Econ. Asn. Economics of education and education policy; agricultural policy; economics of development. Address: Dept. of Agricultural Economics, Ohio State University, 2120 Fyffe Rd, Columbus, Ohio 43210.

HUTCHINS, DR. EDWIN BURNELL. Social & Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also asst. to v.pres. student affairs, 69-, Iowa State University, 119 Beardshear Hall, Ames. Iowa 50010.

HUTCHINSON, DR. GEORGE KEATING, b. Belfast, Maine, Nov. 20, 32; m. 58; c. 4. COMPUTER & MANAGEMENT SCIENCE. B.S., Maine, 55: M.S. Carnegie Inst, 56; Ph.D. (mpt., sel), Stanford, 64. Teaching asst. mech. drawing & anal. geom, Carnegie Inst, 55-56; design engr, Lockheed Missiles & Space Co, 57-58; eng. opers. analyst, 58, math. analyst, 80-60, sr. malyst, 60-62, proj. leader & math. engr, 62-66; asst. proj. indust. eng. & dir. comput. center, Tex. Tech, 66-86; DH. COMPUT. CENTER, WISCON-SIN-MILWAUKEE, 68- Res. asst, West. Data Processing Center, Stanford, 59-60. AAAS; Asn. Comput. Mach; Opers. Res. Soc. Am; Inst. Elec. & Electronics Eng; Inst. Mgt. Sci; Brit. Oper. Res. Soc. The use of computers and information processing devices as an extension of man's intellect. Address: University of Wisconsin-Milwaukee, Room 139 Mitchell Hall, Milwaukee, Wis. 53211.

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HUTCHINSON, DR. JOSEPH C(ANDLER). Romance Languages. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.

HUTCHISON, DR. EARL R, English, Mass Communications. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

HUTNER, DR. FRANCES CORNWALL, b. Middlebury, Vt, Dec. 5, 18; m. 43; e. 5. ECONOMICS, ECONOMIC HISTORY. A. B. Middlebury Col, 40; Ellis fel, Columbia, 41-43, M.A., 43, Ph.D. (econ), 50. Instr. ECON, Smith Col, 42-47; lectr, Kenyon Col, 48-49; res. consult, Princeton, 51-53 & 62-63; LECTR, RUTCERS, 64- AAAS; Econ. Asni. Econ. Hist. Asn. Business history; government control of business; labor studies. Publ: The Farr Alpaca Company, Smith Col, 50. Address: 20 Hibben Rd, Princeton, N.J. 08540.

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 ${\tt HYBELS,\ PROF.\ ROBERT\ JAMES.\ History,\ Sociology.\ See\ 5th\ ed,\ Dir.\ Am.\ Scholars,\ Vol.\ I,\ Hist.}$

HYDE, DEAN ROY E. Rural Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Rt. 4, Box K 16, Hammond, La. 70401.

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Teacher, elem. sch, N.J., 57-61; sch. psychologist & coordinator spec. serv, Lawrence Twp. Schs, 82-66; chief clin. serv, Training Sch. Vineland, Am. Inst. Ment. Studies, 66-67; prof. spec. ed. & chief psychologist, Newark State Col, 67-68; ASSOC. PROF. SCH. PSYCHOL, TEMPLE, 68-Field supur, Stanford Res. Inst. Nat. Follow Through Study, 69-Res. consult, Ed. Testing Serv. Head Start Study, 67-69. AAAS; Psychol. Asn; Ed. Res. Asn; Asn. Ment. Deficiency. Effects of teacher behavior on children; effects of educational intervention on disadvantaged children; the process of change in educational institutions. Publ. Co-auth, Instituting group counseling in the public schools, Psychol. in Schs, 64 & First grade readiness of children who have had summer head start programs, Training Sch. Bull, 63: 163-167; Measurement of perception, In: Disadvantaged children and their first school experience, Ed. Testing Serv, 68. Address: 16 Devon Ave, Trenton, N.J. 08638.

HYMAN, STANLEY DAVID, b. New Rochelle, N.Y, Feb. 15, 23; m. 61; c. 2. FSYCHOLOGY. A.B, George Washington, 64, M.A, 66. PRES, IDENTITY RES. INST. INC, D.C, 67-Mem. faculty, grad. sch. bus, George Washington, 68- U.S.A. F, 48-67, Lt. Col. Marital compatibility; management consulting; human relations research; identification of black business man. Publ: Coauth, Personal financial planning for the executive, Am. Mgt. Asn, 70; auth, Employer-employee compatibility, Retired Officer, 8/88. Address: 5715 Davis Blvd. S.E., Washington, D.C. 20023.

HYMES, PROF. DELL H(ATHAWAY). Anthropological Linguistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New publ: Ed, Studies in the history of linguistics, Indiana Univ, 69. Address: Dept. of Anthropology, University of Pennsylvania, Philadelphia, Pa. 19104.

HYSE, DR. RICHARD, b. Berlin, Germany, June 19, 20; U.S. citizen; m. 46. ECONOMICS, BUSINESS ADMINISTRATION. B.B.A, Baruch Sch, City Col. New York, 58; Ph.D.(econ), N.Y. Univ, 66. Asst. prof. ECON, STATE UNIV. N.Y. COL. OSWEGO, 61-65, ASSOC. PROF, 67-, ACTING CHMN. & DIR. BUS. PROG, 68- State Univ. N.Y. res. fel; summer 67: Econ. Asn, Econ. Hist. Asn, Asn. Evolutionary Econ; Int. Studies Asn. Integration of national economies through economic and political externalities; international banking practices and their historic development. Publ: International luquidity, N.Y. State Econ. Asn, 69; Business finance—a study guide, Off. Ed, State Univ. N.Y. 70; Statistics in an autocracy, Risorgimento, 66. Address: Dept. of Economics, State University of New York College at Oswego, Oswego, N.Y. 13126.

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ICHIKAWA, DR. AKIRA, b. Seattle, Wash, Feb. 1, 38; m. 61; c. 1. POLIT-ICAL SCIENCE. B.A. Washington (Seattle), 60; M.A. Minnesota, 64, Ph.D. (polit. sci), 69. ASST. PROF. POLIT. SCI, LETHBRIDGE, 68.—Am. Polit. Sci. Asn; Can. Polit. Sci. Asn. Political philosophy and theory, especially in the so-called non-western world; international relations, Canadian foreign policy. Address: Dept. of Political Science, University of Lethbridge, Lethbridge, Atla, Can.

IDEN, DR. GEORGE ROBERT. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof. econ, 68-, University of North Carolina at Chaple Hill, Carroll Hall, Chapel Hill, N.C. 27514.

IEZZI, DR. ANTHONY J, b. Greensburg, Pa, Sept. 3, 33; m. 63; c. 2. POLITICAL SCIENCE, PHILOSOPHY. A.B., St. Vincent Col, 55; A.M., Detroit, 57; summer, Northwestern, 60; Ph.L., St. Louis, 61; summer, Georgetown, 61; Ph.D. (polit. sci.), Western Reserve, 68. Instr, St. Ignatius High Sch, Ohio, 61-62; hist, John Carroll, 82-64; philos, ST. JOHN COL. (OHIO), 64-67, ASST. PROF. PHILOS. & POLIT. SCI, 67. Lectr. (Leveland Cath. Diocese, Inst. Soc. Ed, St. John Col. (Ohio), 66-; consult, Am. Benedictine Sisters, 67-Acad. Polit. & Soc. Sci; Polit. Sci. Asn. American presidency—specialist on the Electoral College; Christian ethics; American political institutions; moral foundations of democracy. Address: Dept. of Philosophy, St. John College of Cleveland, Superior Ave, Cleveland, Ohio 44114.

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BKENBERRY, DR. STANLEY OLIVER, b. Lamar, Colo, Mar. 3, 35; m. 58; c. 3. HIGHER EDUCATION. B.A, Shepherd Col, 56; M.A, Mich. State, 57, Ph.D. (higher ed), 60. Instr., oft. eval. serv, Mich. State, 58-60, instrul. res, 60-62; asst. prof. ed. & east. to provost, West Virginia, 62-64, spec. asst. to pres, 64-65, assoc. prof. ed. & dean col. human resources & ed, 65-69; PROF. HIGHER ED, CENTER STUDY HIGHER ED, PA. STATE, 69- Mem. rehab. adv. cmt, Rephab. Serv. Admin, & mem. ed. adv. cmt, Appalachian Regional Cmn, D.C, 69; mem. bd. dirs, Appalachia Ed. Lab, Charleston, W.Va, 69. Ed. Res. Asn; Asn. Higher Ed, Asn. Instrl. Res. Higher education research; student attitude and value change in higher education; college

attendance patterns; initiation and functioning of organized research units in higher education; curriculum and instruction in higher education. Publ: Co-auth, Critical thinking, attitudes and values in higher education, Mich. State Univ. 62; Effects of reading, study skills improvement and reduced credit load on achievement and persistence of failure prone college freshmen & Characteristics of high school seniors as related to subsequent college achievement west Virginia Univ. 66. Address: Center for the Study of Higher Education, 110 Willard Bidg, Pennsylvania State University, University Park, Pa. 16802.

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IMPEKOVEN, DR. MONICA RENEE, b. London, Eng, Jan. 7, 36. ANIMAL BEHAVIOR. Ph.D.(2001), Basel, 61. Fel. wild fowl & conserv, pop. dynamics, Station Biologique la Tour du Valat Le Sambuc, France, 62.-64; animal behav, dept. 2001. Oxford, 64-67; instr. 2001. & animal behav, Maryland, 67-68; ASST. PROF. ANIMAL BEHAV, INST. ANIMAL BEHAV, RUTGERS, 68- Grants, Found. Biol. Res. Switz, 62-64; Janggen-Pöhn Found, 64; Sci. Res. Coun. fel. Eng, 65-67. Asn. Study Animal Behav. Motivational control of visual perception, ontogeny of perception and communication including prenatal origins; predator-prey relationships in birds. Publ. Die jugendent-wicklung des Teichrohr sängers, Revue Swisse de Zoologie, 62; co-auth, An experiment on spacing-out as a defense against predation, Behaviour, 67; auth, Motivationally controlled stimulus preferences in chicks of the Blackheaded Gull, Animal Behav, 69. Address: Institute of Animal Behavior, 101 Warren St, Rutgers, The State University, Newark, N.J. 07102.

IMSE, PROF. THOMAS P(AUL). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Vis. prof. sociol, Univ. Nijmegen, Netherlands, 69-70. Address: Dept. of Sociology, College of the Holy Cross, Worcester, Mass. 01610.

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PSYCHOLOGY, GUIDANCE & COUNSELING. B.A, Hobart Col., 59; M.S.
Long Island, 61; Ph.D. (bsychol, guid. & counseling), Pla. State, 65. Intern
elin. psychol, inst. rehab. med, MED. CENTER, N.Y. UNIV, 63: c6. SR. PSYCHOLOGIST, GOLDWATER MEM. HOSP, 66: 1NSTR. PSYCHOL, HUNTER
COL., 65: -DIR. CLIN. & ADMIN. SERV. CENTER LEARNING DISABILITIES,
BRIARWOOD, 69. U.S. Dept. Health, Ed. & Welfare Small Contract Prog.
res. grant, 65: Consult. psychologist, addictive diseases unit, New York
City Dept. Health, 66; consult. supv. psychologist, Orthop. & Rehab. Inst,
65; consult. psychologist, fleath ins. Plan Greater New York, 69: Panel
psychologist, div. voc. rehab, N.Y. State Dept. Ed, 69: AAAS; Psychol. Asn.
Operant conditioning; physical rehabilitation; behavior modification; neurophysiological correlates of behavior; speech and language pathology; brain
injury. Pub! Modification of verbal behavior through variable interval
reinforcement in a quasi-therapy situation, behav. Res. & Ther, 68; A behavioral approach to modivation in rehabilitation; Psychol. Record, 69; escape and avoidance conditioning of responses in the plegic arm of stroke
patients: a preliminary study, Psychonomic Sci, 69. Address: 64-39C 186th
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ANTHROPOLOGY. B.A, Harvard, 51; Ford Found. fel, Cornell, 55-60, Ph.D. (anthrop), 63. Asian desk dficer, UNESCO, Paris, 52-53, dir. res. sect. UNESCO Training Center, Thailand, 54-56; lectr. ANTHROP, California, 61-63; asst. prof. CATHOLIC UNIV. 63-67, ASSOC. PROP. 67: Vis. lectr. cace. Corps, 62-66, For. Ser. Inst. ed. min. 68-69, Mem. Southeast Asia. Destace of the control of the co

INGLIS, PROF. JAMES. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 68-, Dept. of Psychology, Queen's University, Kingston, Ont, Can.

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INNOCENTIA, SISTER MARY B(URKARD), S.S.N.D. Educational Psychology See BURKARD, SISTER AGNES MARY, S.S.N.D, this Suppl.

INSEL, PROF. SHEPARD ALVIN. Educational Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also dean. ed. serv. 68-. San Francisco State College, 1600 Holloway Ave, San Francisco. Calif. 94132.

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IRVINE, DR. DAVID JAMES, b. Opelika, Ala, Dec. 2, 31; m. 60; c. 3. EDUCATION, PSYCHOLOGY. B.A.A, Auburn, 54; M.A. North Carolina, 59, Ph.D.
(ed. psycho), 63. Counsr, Burlington City Schs, N.C., 60-61, asst, dir. guid.
61-62, dir., 62-64, supvr. guid. & spec. serv., 64-65; assoc. prof. psychol.
& spec. ed, Greensboro Col, 65-68; CHIEF BUR. SCH. PROGS. EVAL, STATE
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61, North Carolina, Chapel Hill, 64, vis. lectr., Western Carolina, 67. U.S.A.
54-56, 1st Lt. Psychol. Asn. Ed. Res. Asn; Personnel & Guid. Asn. Evaluation of educational programs; application of systems analysis to education;
education for creativity; counseling; economically disadvantaged students;
mental health. Publ: The pupil, teaching and learning, N.C. Ed, 12, 64 &
Needed for disadvantaged youth: an expanded concept of counseling, Sch.
Counsr, 1/68. Address: 45 Preston Rd, Delmar, N.Y. 12054.

IRVING, DR. GORDON, b. Red Deer, Alta, Sept. 10, 28. SOCIOLOGY. B.A. St. Patrick's Col, 52; M.A. Notre Dame, 57, Ph.D.(sociol), 59. Asst. prof. SOCIOL, St. Patrick's Col. (Ont), 59, ASSOC. PROF, 62-67: CARLETON, 67- Sociol. Asn. Sociology of family and of religion: deviance; criminology-Publ: Population explosion, Rev. Univ. Ottawa, 61; Family in a technological age, Soc. Worker, 66. Address: Dept. of Sociology, Carleton University. St. Patrick's Campus, Ottawa 1, Ont, Can.

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IRVING, DR. RONALD E. Neuroanatomy. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

IRVING, DR. WILLIAM N(ATHANIEL). Anthropology. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Prof. 69-, Dept. of Anthropology, University of Toronto, Toronto, Ont, Can.

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- Univ, 67; auth, Industrial relations, new perspectives in business, Heath, 67; co-auth, Contemporary problems in Canadian labour, Prentice-Hall, 70. Address: Dept. of Industrial Relations, McMaster University, Hamilton, Ont, Can.
- ISHINO, PROF. IWAO. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmi, 69-, Dept. of Anthropology, Michigan State University, East Lansing, Mich. 48823.
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- ITIL, DR. TURAN M. Psychiatry. See Suppl. V & VI to 11th ed, Phys. & Biol.
- ITURRIAN, DR. WILLIAM BEN. Pharmacology. See Suppl. V to 11th ed, Phys. & Biol. Vois.
- IULO, PROF. WILLIAM. Economics, Statistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also acting, dir, 69-, Bureau of Economic & Business Research, Washington State University, Pullman, Wash. 99163.
- IVERSEN, PROF. ROBERT W(ILLIAM). American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- IVEY, PROF. OLIVER T(URNER). History. See 5th ed, Dir. Am. Scholars, Vol. I. Hist.
- IWAN, DR. JAMES L, b. Boonville, Mo, Dec. 14, 39; m. 61; c. 1. POLITICAL SCIENCE, PUBLIC ADMINISTRATION, B. A, Calif. State Col. Long Beach, 64; M.S, Southern California, 66; Nat. Defense Ed. Act fel, Georgiown, 66-68, Ph.D. (govt), 68. Staff of adminstr, int. agr. develop, serv. & analyst, proteins & agribus, U.S. Dept. Agr. 67-69; MGR. SPEC. PROD. & NEW VENTURES, I.S. JOSEPH CO, INC, MINNEAPOLIS, 69; V.PRES, FOUND. AGR. BY-PROD. OF IRAN, 69 U.S.A. F, 58-62. Polit. Sci. Asri, inst. Food Tech. Development of business ventures internationally, particularly agribusiness in developing nations and areas; social, governmental and economic structures necessary for total development. Publ: Fortified bread for India, Cereal Sci. Today, 5/68 & From social welfare to local government-Egypt, Mid. East J, 6/68. Address: 2150 Ensign Ave. N, Golden Valley, Minn. 55427.
- IYENGAR, DR. K. M. P, b. Melkote, India, Aug. 10, 36; m. 64. OPERATIONS RESEARCH, MANAGEMENT SCIENCE. B. E, Mysore, 57; D.I.I. Sc, Indian Inst. Sci, Bangalore, 61; M. B. A, Hawaii, 64; Ford fell. & Ph.D. (prod. mgt), Columbia, 67. Asst. engr. Indian Tel. Indiusts, 57-62; asst. prof. mgt, Hawaii, 68-69; ASSOC, PROF. QUANT, METHODS, LONG ISLAND, 69- Nat. Sci. Found. grant, 69. Statist. Asn. Inst. Mgt. Sci; Opers. Res. Soc. Am. Corporate long-range planning; economics and information theory; design of planning and control systems: management science model building. Publ: An extension of the classical gambler's ruin model to long-range planning, Can. Oper. Res. J, 11/69. Address: 699 W. 239th St, Apt. 5 R, Bronx, N.Y. 10483.

- JABINE, THOMAS B(OYD). Mathematical Statistics. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position: Chief, statist. res. div, U.S. Bureau of the Census, 69- Address: 3231 Worthington St. N.W, Washington, D.C. 20015.
- JABLONSKI, DR. RONALD E, b. Chicago, III, Jan. 16, 29; m. 51; c. 4. MAN-AGEMENT SCIENCES. B.S., Yale, 52; M.B.A., Northwestern, 57; D.B.A. (prod. mgt), Harvard, 63. Electronics scientist, Naval Res. Lab, 52-53; develop. engr., Motorola, Inc., 53-55, proj. engr., 55-57; res. asst. prod. mgt, Harvard, 58-59; asst. prol. bus. admin, Columbia, 62-64; ASSOC. PROF. MGT, Michigan, 64-69; ILLINOIS, CHICAGO CIRCLE, 69- Assoc, Seminar Tech. & Soc. Change, Columbia, 64- Consult. to several financial & indust. concerns, 62- Inst. Mgt. Sci; Opers, Res. Soc. Am, Acad. Mgt; World Future Soc. Technological innovation and forecasting; behavioral aspects of technological change and manpower planning. Publ: Co-auth, Production management, 3rd ed, 69 & auth, Management of operational systems, (in prep), McGraw. Address: College of Business Administration, University of Illinois at Chicago Circle, Box 4348, Chicago, III. 60680.
- JABLONSKY, DR. ADELAIDE, b. New York, N.Y., Apr. 21, 12; m. 35; c. 2. PSYCHOLOGY, EDUCATION. B.A., Hunter Col., 32; M.A., Columbia, 50, Ed.D. (group work), 53. Asst. prof. Epychol, Pratt Inst, 52-53; Instr. psychol. & ed. Brooklyn Col., 54-59; asst. prof. ED, YESHIVA, 55-62, ASSOC. PROF. 62. SR. RES. ASSOC, ED. RESOURCES INFO. CENTER-INFO. RETRIEVAL CENTER ON DISADVANTAGED, U.S. OFF. ED, 69-, assoc. dir. psychol. & ed. 67-69. Asst. dean, Yeshiva, 62-66. Consult, Elem. & Sec. Ed. Act, New York Bd. Ed. 66-68. Mem. cmnr. ad hoc adv. cntt, Higher Ed. Act, U.S. Off. Ed, 65-67; conf. chmn, N.Y. State Ed. Dept. grant, 66-67. Psychol. Asn. Problems of ethnic, racial and economic disadvantagement, primarily in educational settings. Publ: Co-auth. & ed, Imperatives for change, N.Y. State Ed. Dept, 67; co-auth, Compensatory education in the equalization of educational opportunity, J. Negro Ed, summer 68; auth, Toward curriculum

- relevance for minority group children, IRCD Bull, summer 69. Address: 610 West End Ave, New York, N.Y. 10024.
- JACEK, DR. HENRY JOHN, b. Derby, Conn, Oct. 31, 41; m. 67; c. 2. POLITICAL SCIENCE. B.S.S., Fairfield, 63; fel, Georgetown, 63-66, M.A., 67, Ph.D. (polit. sci), 69; summer fel, Michigan, 66. Res. asst, center pop. res, Georgetown, 68-67; lectr. POLIT. SCI, McMASTER, 67-69, ASST. PROF, 69-Am. Polit. Sci. Asn; Can. Polit. Sci. Asn. Political party organization; scope and methods of political science; public policy formation; political behavior. Publ. Comparative party organization in Canada and United States, 6/69 & co-auth, Party integration in Ontario, 6/70, Can. Polit. Sci. Asn. Proc.; auth, Urban political world of black and white party officials, Am. Polit. Sci. Asn. Proc. 6/69. Address: Dept. of Political Science, McMaster University, Hamilton, Ont, Can.
- JACKSON, PRES. ALLEN KEITH. Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- JACKSON, DEAN ARTHUR F(ISHER). Guidance. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Dean, 68-, School of Arts & Sciences, A&T State University, Grensboro, N.C. 27411.
- JACKSON, DR. BASIL EDGAR, b. Omagh, N.Ireland, June 19, 32; U.S. citizen; m. 51; c. 1. PSYCHIATRY, PSYCHOLOGY OF RELIGION. M.D. Queen's [Belfast], 57; M.Th. North: Theol. Sem., 65; D. P.M. Dublin, 66. Asst prof. PSYCHIAT, ED. 65.—61; H.F. PSYCHIAT, ED. 66. ASSOC. PROF. 69.—DIR. GRAD. PSYCHIAT, ED. 68.—CHEP PSYCHIAT, WOOD VET. ADMIN CENTER, MILWAUKEE, 68.—Consult, Milwaukee County Family Court, Wis. Milwaukee County Childrens Court, Lad Lake Residential Treatment Center, Lutheran Hosp, Milwaukee & Milwaukee Psychiat, Hosp, 65.—Dipl. psychiat, Am. Bd. Psychiat, & Neurol, 64, Child Psychat, 66. Fel. Col. Physicians; Col. Psychiat; Am. Med. Asn; Psychiat. Asn; Am. Sci. Affiliation; N.Y. Acad. Sci. Psychotherapy; hallucinogenic drugs. Publ: Reflections on psychiatry and religion, Marquette Med. Rev. spring 69; Termination of psychotherapy in children, Transactions, Vol. 1, No. 1; The revised diagnostic and statistical manual of the American Psychiatric Association: a critique, Am. J. Psychiat. & Int. J. Psychiat, & Int. J. Psychiat, & Int. J. Psychiat, & Int. J. Psychiat, 69. Address: 9505 N. Pheasant Lane, River Hills, Wis. 53217.
- JACKSON, DR. JOHN D, b. Montreal, Que, Sept. 22, 32; m. 54. SOCIOLOGY. B.A. Sir George Williams, 53; M.A. Mich. State, 63, Ph.D. (sociol), 67. Lectr. appl. soc. sci, SIR GEORGE WILLIAMS, 68-67, ASST. PROF. SOCIOL, 67-, CHMN, DEPT, 69-, RES. ASSOC, CENTRE HUMAN RELS. & COMMUNITY STUDIES, 66- Grants, Nat. Coun. YMCA'S Can. & Can. Nat. Health & Welfare Dept, 68, Can. Coun, 69-70. Am. Sociol. Soc. Can. Asn. Sociol. & Anthrop. Community studies, especially social conflict. Publ: Ethnic relations and a community studies, especially social conflict. Publ: relations in an Ontario community, Social conflict: French English relations in an Ontario community, Can. Rev. Sociol. & Anthrop, 66; An inquiry into leisure in the city of Beaconsfield, Quebec, Centre Human Rels. & Community Studies, Montreal, 67. Address: Dept. of Sociology, Sir George Williams University, Montreal 107, Que, Can.
- JACKSON, PROF. KINGSBURY T. Industrial Engineering. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- JACKSON, DR. MAURICE. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Dept. of Black Studies, University of California, Riverside, Calif. 92502.
- JACKSON, PROF. MAURICE PAUL. Social & Behavioral Sciences. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- JACKSON, DR. ROBERT LEON, b. Bond, Miss, Mar. 1, 39; m. 61; c. 2. PSY-CHOLOGY, GUDANCE. B.A, Miss, Col. 61; M.S, Baylor, 63; fel, East Texas State, 64-67, Ph.D.(counseling, psychol), 67. Psychologist, State Dept. Hosps, La, 62-64; ASST. PROF. GUID. & PSYCHOL, DELTA STATE COL, 67-Counsr, private practice, 67-Consult, Miss. State Pententiary, State Dept. of Spec. Ed. & State Dept. Voc. Rehab, 67-Coordinator, 1969 Conf. Miss. Personnel & Guid. Asn, 68-69. Personnel & Guid. Asn, Psychol. Asn. Creativity; counseling; special education, particularly vocational rehabilitation and psychological characteristics of penitentiary inmates. Publ. College characteristics, Guid-O-Rama, 68. Address: Dept. of Psychology, Box 1863, Delta State College, Cleveland, Miss. 38732.
- JACKSON, DR. RUSSELL HENRY, b. Provo, Utah, Feb. 10, 38; m. 61; c. 2. CLNICAL PSYCHOLOGY. B.S, Brigham Young, 63, M.S. 64; Ph.D.(clin. psychol), Ohio State, 68. ASST. PROF. MED. PSYCHOLO, MED. SCH, OREGON, 68- U.S.A.R, 61-67, S/Sgt. Psychol. Asn. Assessment of attitude and motivational state in the interview situation, development of object measures and situations to assess parent-child interactions. Publ: Co-auth, Communication length as an index of communicator attitude: a replication, 53: 264-266 & Interviewee speech behavior under different content conditions, 54: 15-26, J. Appl. Psychol; Interviewee speech behavior under conditions of endogenously-present and exogenously-induced motivational states; J. Clin. Psychol, (in press). Address: Dept. of Medical Psychology, University of Oregon Medical School, 3181 S.W. Sam Jackson Park Rd, Portland, Ore. 97201.
- JACKSON, PROF. W(ILLIAM) A(RTHUR) DOUGLAS. Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also assoc. dir, 70-, Russian-East European Program, Far Eastern & Russian Institute, University of Washington, Seattle, Wash. 98105.
- JACOB, DR. ABEL, b. Tel Aviv, Israel, Jan. 15, 39; U.S. citizen; m. 63; c. 2. POLITICAL SCIENCE. B.A, California, Los Angeles, 62, M.A, 64, univ. & Ford Found, fels, 65-66, Ph.D., Cpolit. scil, 69. Teaching asst. Am. polit, California, Los Angeles, 63-65, teaching fel. comp. polit, 66-87; instr. POLIT. SCI, Iowa State, 67-69; ASST. PROF, YORK COL. (N.Y), 69- Polit. Sci. Asn. Relationship between rich and poor nations; the role of the milli-

- tary in the politics of developing nations; Middle East politics. Address: Dept. of Political Science, York College, Flushing, N.Y. 11365.
- JACOB, DR. ROBERT WILLIAM. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir. res, 68-, Missouri Commission on Higher Education, 600 Clark Ave, Jefferson City, Mo. 65101.
- JACOBI, DR. J(OHN) E(DWARD). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. sociol. & head dept, State Univ. N.Y. Oneonta, 68- Address: Box 219, West Oneonta, N.Y. 13861.
- JACOBINI, PROF. H(ORACE) B(OWMAN). Political Science, International Law. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also dir, Center for Vietnamese Studies & Programs, Southern Illinois University, Carbondale, Ill. 62901.
- JACOBS, DR. IRVING AARON, b. Boston, Mass, May 10, 29; m. 53; c. 2. PSYCHOLOGY. B.S, Houston, 52; M.A, Indiana, 56; Ph.D. (psychol), Denver, 59. Clin. assoc. & assoc. prof, State Univ. N.Y. Buffalo, 59-69; PSYCHOL. CONSULT, STATE DE PT. MENT. HYG, N.Y., 69- Clin. assoc. prof, Albany Med. Col, 69- Chief psychologist, Edward J. Meyer Mem. Hosp, 59-66; United Health Found. fel, 62-64; Wyeth Labs. fel, 64-66; Wallace Labs. fel, 65-66. Spec. consult, for planning & res, Erle County Ment. Health Bd, 67; spec. consult, Chemung County Ment. Health Off. & community ment. health consult, Clifton Springs Hosp, N.Y., 67- AAAS; Psychol. Asn. Current activities related to mental health manpower needs and the training needs of subprofessionals. Publi: Co-auth, Autonomic changes from experimentally induced anxiety in cases with positive spike phenomenon, Electroencephalography, 3/63 & A method for inducing stress in a laboratory setting, Inl. J. Soc. Psychiat, 12: 273-278. Address: State Dept. of Mental Hygiene, 44 Holland Ave, Albany, N.Y. 12020.
- ACOBS, DR. LAURENCE W, b. Cincinnati, Ohio, May 26, 39; m. 65; c. 1.

 MARKETING, BUSINESS ADMINISTRATION. B.S. Pemsylvania, 61; M.B.A,
 Ohio State, 63, Ph.D. (mkt), 66; fel, Mkt. Sci. Inst, 65-66. Mgt. trainee,
 F. & R. Lazarus Co, Ohio, 61-62; asst. MKT, Ohio State, 63-65; asst. prof,
 HAWAII, 66-69, ASSOC. PROF, 69- Consult, U.S. Dept. Commerce-State
 Tech. Assistance Act, 68-69. Mkt. Asn; Sales & Mkt. Exces. Int; Acad.
 Advert. Advertising effectiveness and planning; proper setting and uses of
 goals; retailing salesmanship; real estate promotions; business ethics; advertising for retailing; consumer behavior; promotions management; communications; business logistics; transportation problems. Publ: TIMSIM:
 a computerized management game for travel industry management, Red
 Dot, 69; The meaning of goals, Bus. Horizons, 68; The department store,
 In: American peoples encyclopedia, Grolier, 69. Address: University of
 Hawaii College of Business Administration, 2500 Campus Rd, Honolulu,
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- JACOBS, DR. MARTIN A, b. Brooklyn, N.Y, Jan. 29, 37; m. 57; c. 4. CLINI-CAL PSYCHOLOGY. B.S. Brooklyn Col, 57, M.A, 60; Ph.D. (clin. psychol), Boston, 63. Instr. PSYCHIAT, SCH. MED, BOSTON, 64-66, AST. PROF. 66-Nat. Inst. Ment. Health prin. investr, 64-; chief psychologist, Attleboro Area Ment. Health Center, 62-67. Consuit, Somerville Guid. Center, 65-; U.S. Army Human Eng. Lab, 68-Psychosom. Soc; Psychol. Asn. Psychosomatic predisposing and precipitating factors in respiratory allergies; process and outcome factors in psychotherapy; personality factors associated with cigarette smoking in men. Address: Dept. of Psychiatry, Boston University, 80 E. Concord St, Boston, Mass. 02118.
- JACOBS, DR. PAUL D(ANIEL), b. Akron, Ohio, Oct. 12, 39. INDUSTRIAL PSYCHOLOGY. B.A, Baylor, 62, Ph.D. (indust. psychol), 67. Intern comp. psychol, 6571st Aeromed. Res. Lab, 62-63; res. asst, Baylor Primate Behav. Lab, 63-64, sr. res. asst, 64-66; teacher, West, Tex. Independent Schs, 66; asst. PSYCHOL, Baylor, 66-67; instr. OKLAHOMA, 67, ASST. PROF, 67- Personnel selection officer, Southwest Regional Training Center, VISTA, 68-69. Psychol. Asn; Int. Acad. Forensic Psychol. Motivational studies; stress and its effects on performance; forensic psychology. Publ: Co-auth, Effects of task related stress on human performance of a two component monitoring task, 29: 815-823 & Forensic psychology; perception of guilt and income, 28: 143-146, Perceptual & Motor Skills & An Index for measuring perceived stress in a college population, J. Psychol, 70: 9-15. Address: Dept. of Psychology; Diversity of Oklahoma, Norman, Okla. 73069.
- JACOBS, COL. STANLEY E(VERS), U.S.A.(RET). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 811 Euclid Court, Highwood, Ill. 60040.
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- JACOBSON, DR. HARALD W(ILLIAM). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dep. prin. off, Am. Consulate Gen, 68- Address: 1250 Fourth St. S.W, Washington, D.C. 20024.
- JACOBSON, PROF. N(OLAN) P(LINY). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- JACOBSTEIN, PROF. J. MYRON. Law. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos, Relig. & Law.
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- 62; psychologist, N.Y. Asn. Blind, 62-64; Elmhurst Hosp, 64-65; assoc. dtr. ment. retardation center, Teachers Col. Columbia, 65-69; ASST. PROF. PSYCHOL, LEHMAN COL, 69- AAAS; Ed. Res. Asn; Psychol. Asn; Asn. Ment. Deficiency; Personnel & Guid. Asn. Counseling; special education. Publ: Attitudes of adolescents toward the mentally retarded, Am. J. Ment. Deficiency, 70: 907-912; What's in a name, Personnel & Guid. J. 46: 557-560; Attitudes and interpersonal contact, J. Counseling Psychol, 14: 482-484. Address: Dept. of Psychology, Herbert H. Lehman College, Bedford Park Blvd. W, Bronx, N.Y. 10468.
- JAGODA, DR. HARRY M. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Dept. of Psychology, Brooklyn College, Brooklyn, NY, 11210.
- JAHNKE, DR. JOHN C(URTIS). Experimental Psychology. See Suppl. I to 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Dept. of Psychology, Miami University, Oxford, Ohio 45056.
- JAHNKE, DR. WENDELL LEE, b. Hutchinson, Minn, Apr. 26, 33; m. 57; c. 3. EDUCATIONAL PSYCHOLOGY. B.S, Mankato State Col, 57, M.S, 62; summers, Colo. State Col, 58 & Minnesota, 64; Ph.D. (ed. psychol), Missouri, 67. Teacher-counsr, ortonville Pub. High Sch, 57-59; teacher, Army Dept. Schs, Germany, 59-51; Mankato State Col, 62-63, teacher-counsr, bus. ed. Wilson Campus Sch, 63-65, assoc. prof. ed. psychol, col, 67-70; ADMIN. ASST. TO PRES, NORTH, STATE COL, 70- U.S.A, 53-55. Personnel & Guid. Asn. Learning psychology; verbal learning; counseling and guidance. Publ: Co-auth, The effect of difficulty level, temporal position of teedback and content of verbal material on relention, Psychol. Reports, 67. Address: Northern State College, Aberdeen, S.Dak. 57940.
- JAN, DR. CHAMAN LAL, b. Jullundur City, India, Sept. 1, 33; m. 66. ECO-NOMICS. B.A, Punjab, India, 53, M.A, 56; M.A, Vanderbilt, 60; Ph.D. (econ), American Univ, 65. Statistician, Epilepsy Found, 58-64; res. asst, R.L. Banks & Assocs, 64-65; ASST. PROF. ECON, ST. JOHN'S (N.Y), 65- Direct mail res. consult, Rapp & Collins, 67-68; David Bilgore & Co, 68- Econ. Asn. Direct mail econometrics: a scientific approach to successful marketing by mail, Mail MRt. Assocs, 64-65; auth, Economic appraisal of import demand for Indian burlap in the United States market, Asian Econ. Rev. 11/66; How much can you afford to get new customers?, Direct Mkt, 5/69. Address: 182 Amity St, Brooklyn, N.Y. 11201.
- JAIN, DR. N. C, b. Padwar, India, Apr. 10, 34; m. 68. COMMUNICATION, SOCIAL PSYCHOLOGY. B.Sc. & M.Sc., Jabalpur, 60; M.S., Guelph, 65; Ph.D. (commun), Mich. State, 69. Lectr. soc. sci, Jabalpur, 60-62; asst. prof. psychol, post grad, sch, Pusa Inst, Delhi, 63-64; res. asst. commun, Mich. State, 65-68; ASST. PROF. SOC. PSYCHOL, MEMORIAL UNIV. 68-V. Lyres. res. grant & King Edward Mem. Iel, 58-60; Inst. Soc. & Econ. Res. grant, 69- Soc. Psychol. Study Social Issues; Int. Commun. Asn. Mass and interpersonal communication; group dynamics and radio forums. Address: Dept. of Psychology, Memorial University of Newfoundland, St. John's, Newf, Can.
- JAIPAUL, DR. Political Science, Public Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir, Nationality-Community Race Rels. Nationalities Serv. Center, 69- Address: 6308 N. 13th St, Philadelphia, Pa. 19141.
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- JALLOW, DR. RAY. Business Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 2530 Park Oak Court, Hollywood, Calif. 90028.
- JAMES, DR. ELIZABETH M, b. Philadelphia, Pa, July 14, 36; m. 59; c. 1. POLITICAL SCIENCE. B.A, Douglass Col, Rutgers, 58; M.A, Northwestern, 59; Ph.D. (polit. sci), George Washington, 69. Res. asst. polit. sci, 59; soc. worker, Child & Family Serv, 59-61; res. writer, Congressional Quart, 61-63; ASST, PROF. POLIT. SCI, TRINITY COL., 68- Polit. Sci. Asn. Address: 9204 Summit Rd, Silver Spring, Md. 20910.
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- JAMES, DR. LAWRENCE R, b. San Bernardino, Calif, Sept. 22, 43; m. 68. IN-DUSTRIAL PSYCHOLOGY. B.S, Utah, 65, M.S, 67, Ph.D. (indust, psychol), 70. RES. PSYCHOLOGIST, INST. BEHAV. RES. CREATIVITY, 67- Investigation of multiple criteria for job performance across different professions and situations and the relationships between these multiple criteria and biographical and climate data; experimental design; statistics. Publ: Prediction of scientific performance criteria with biographical information, 68 & An investigation of organizational climate, 69, Richardson Found. Address: 1417 S, 1100 E, Salt Lake City, Utah 84106.
- JAMES, DR. L(EONARD) DOUGLAS, b. Stockton, Calif, Aug. 4, 36; m. 57; c. 2. ENGINEERING ECONOMICS, HYDROLGGY. B.S, Stanford, 57, M.S, 58, Ph.D. (eng. econ. planning), 65. Hyw. engr. Calif. Dept. Hyws, 57-58; hydraulic engr. Calif. Div. Soil Conserv, 59-64; asst. prof. CIVIL ENG, Kenucky, 64-68, ASSOC. PROF, 68-70; 6A. INST. TECH, 70. Soc. Civil Eng. (Daniel W. Mead prize, 66); Geophys Theorem Conservation of the Conservatio

- JAMES, DR. LEWIS FRANCIS. Educational Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Educational Psychology, Northwestern State College, Natchitoches, La. 71457.
- JAMES, DR. PATRICIA ANN, Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- JAMES, DR. RALPH C, b. Chicago, Ill, Apr. 4, 29; m. 57; c. 2. ECONOMICS. Ph.D. (econ), Cornell, 57. Mem. faculty ECON, Mass. Inst. Tech, 57-61; California, 61-67; ASSOC. PROF, STATE UNIV. NY, ALBANY, 67. Econ. Asr., Indust. Rels. Res. Asn. Address; Dept. of Economics, State University of New York at Albany, NY, 12203.
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- JANCZEWSKI, LT. COL. G[EORGE) H, U.S.A.F. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Chmn. dept. German, U.S. Air Force Acad, 69-; prof. East European studies, U.S. Army Adv. Inst Russian & East European Studies, 70- Address: Dept. of Foreign Languages, U.S. Air Force Academy, Colo. 80840.
- JANDY, PROF. EDWARD C(LARENCE). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Prof. sociol, Montgomery Col, 69-Address: 2307 Lackawanna St, Adelphi, Md. 20783.
- JANG, DR. YOUNG SIK, b. Kwang-Ju, Korea, Nov. 12, 32; m. 61; c. 1. ECONOMETRICS, ECONOMICS. B.Eng, Seoul, 55; B.S, Seton Hall, 63; fel, State Univ. N.Y. Albany, 65-68, M.P.A, 66, P.D.D. (economet), 69. Admin. asst. polit. affairs, Off. V. Pres, Repub. of Korea, 65-88; spec, asst. econ. affairs, Off. Prime Minister, Repub. of Korea, 66-61; ASST. PROF. ECON, STATE UNIV. N.Y. PLATTSBURGH, 68- Res. Found. State Univ. N.Y. fel, 69. Econ. Assi. Economet. Soc; Statist. Asn; Asn. Evolutionary Econ. Comparative study of interdependent and causal-chain systems in econometric model-building. Publi: Multi-path least-squares method, State Univ. N.Y. Albany, 69; Analysis of corporation income tax and proposal for the new adjustment of the present corporation tax, J. Finance, Korea, 61. Address: Dept. of Economics, State University of New York at Plattsburgh, Plattsburgh, N.Y. 12901.
- JANICIK, DR. EDWARD CONRAD. Modern Diplomatic & Military History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- JANICKI, DR. W(OJCIECH) PETER. Social Psychology. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position: Media res. coordinator, 69-, U.S. Information Agency, IOR/RM, 1750 Pennsylvania Ave, Washington, D.C. 20547.
- JANKE, DR. LEOTA LONG. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Ed. consult, Universal Ed. Corp, 69- Address: 30 Vine Brook Rd, Lexington, Mass. 02173.
- JANOVY, DR. DAVID L, b. Seward, Nebr, Nev. 10, 34; m. 56; c. 2. SOCIOL-CGY. B.A.E, Wayne State Col, 56; M.A, Nebraska, 62, Nat. Sci. Found. fel. & Ph.D. (seciol), 57. Asst. prof. SOCIOL, Illinois State, 64-68; ASSOC. PROF. & CHMN. DEPT, MANKATO STATE COL, 68- Midwest Coun. Soc. Res. in Aging, fel, summers 37-69. U.S.M.C, 56-60, 1st Lt. Sociol. Asn.

- Occupational retirement and aging; small groups; social psychology. Address: Dept. of Sociology, Mankato State College, Mankato, Minn. 56001.
- JANSSEN, DR. HANS. Economics, Business Administration. See 11th ed, Soc. & Behav. Vols, deceased 68.
- JAQUETTE, DR. DAVID L, b. Philadelphia, Pa, Oct. 21, 42; m. 64. INDUSTRIAL ENGINEERING, OPERATIONS RESEARCH. B.S, Swarthmore Col. 64, M.S, Cornell, 67, Ph.D. topers. res., 69. ASST. PROF. INDUST. & SYSTS. EMG, SOUTHERN CALIFORNIA, 68. Consult. opers. res, Rand Corp., Calif. 89. Consult. opers. Res. Soc. Ann.; Inst. Mgf. Sch. Application of operations research of the consultation of the consultations research with the consultation of the consultations of the consultations. Cornell Univ. Dept. Opers. Res., 6/89. Address: Dept. of Industrial & Systems Engineering, University of Southern California, Los Angeles, Calif. 90007.
- JARBOE, PROF. EVERETT E. Educational Philosophy. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos, Relig. & Law.
- JAROCHOWSKA, PROF. MARIA A, b. Silesia, Poland, Feb. 4, 24. POPULATION GEOGRAPHY, HUMAN ECOLOGY. M. A, Poznad, 50, Ph.D. (geog), Adam Mickiewicz Univ, Poznad, 62; Cracow Tech, 55. Ass. librn. main library, sch. econ, Poznaf, 51-57, asst. gen. mgr. & head sci. info. dept, 58-65; Can. Coan. fel. GEOG, 65-66; leetr, Manitoba, 66-67, asst. prof, 67-70; PROF, QUEBEC, 70-Am. Asn. Geog; Can. Asn. Geog. Social and economic adjustment of the people to the changing conditions of a modern society and its technological progress; problem considered in rural and urban aspects. Publ: Canada, the land and the people, Friends of Sci. Soc. Poland, 61; Urbanization process in the Voyevodship Zielona Gora, Poland, 60 & Semantic classification in the optimum population theories, 63, Ruch Prawniczy i Ekonomiczny. Address: Dept. of Geography, University of Quebec, Montreal, Que, Can.
- JARRELL, DR. DONALD WINFIELD, b. Hookersville, W.Va, Nov. 23, 30; m. 57; c. 2. LABOR & INDUSTRIAL RELATIONS. B.S, West Virginia, 51; M.S, Pennsylvania, 56, Ph.D. (econ), 66. Mgt. trainee to eng. adminstr, Armco Steel Corp, W.Va, 51-52 & 54-55; mech. engr, U.S. Naval Shipyard, Pa, 57; ASSOC.PROF. INDUST. RELIS, DREXEL, 58- Higher Ed. Act res. grant, 69- Indust. consult, 69- U.S.A, 52-54. Admin. Mgt. Soc; Am. Soc. Training & Develop; Soc. Personnel Admin; Indust. Rels. Res. Asn. Development of new approaches to achieving behavioral change; a new approach to the measurement of labor force characteristics; criteria for identifying the disadvantaged member of the labor force. Publ.: A history of collective bargaining at the Camden-area plants of RCA with special reference to bargaining power, Univ. Pennsylvania, 68; Negroes in supervisory, sales, and staff positions in the Philadelphia metropolitan area, AMS News, 2/69. Address: College of Business Administration, Drexel University, Philadelphia, Pa. 19104.
- JARVIE, PROF. IAN C, b. South Shields, Eng, July 8, 37; m. 62; c. 1. PHILOSO-PHY, ANTHROPOLOGY. B.Sc. Econ, London Sch. Econ, 58, Ph.D. flogic & sci. method), 61. Tutor PHILOS, London Sch. Econ, 60-62; lectr, Hong Kong, 62-66; assoc. prof, YORK (ONT), 67-69, PROF, 69- Philos. Asn; Philos. Sci. Asn. Philosophy of the social sciences; millenarian religion; sociology of the cinema. Publ: The revolution in anthropology, Humanities, 64 & Regnery, 69; co-auth, Hong Kong; a society in transition, Praeger, 69; Movies and society, Basic Eks, 70. Address: Dept. of Philosophy, York University, Downsview, Ont, Can.
- JARVIS, PROF. CHESTER E. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New publ: Co-ed, TRIAD: tellurian resources inventory and development, NASA Langley Res. Center & Old Dominion Univ, 69. Address: Dept. of Political Science, Gettysburg College, Gettysburg, Pa. 17325.
- JARVIS, DR. JOHN J. Operations Research, Systems Analysis. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- JARVIS, DR. JOSEPH ANTHONY. History. See 5th ed, Dir. Am. Scholars, Vol. I. Hist.
- Vol. 1, filst.

 JASON, PROF. HILLIARD, b. Montreal, Que, Jan. 17, 33; m. 54; c. 3. PSY-CHIATRY, MEDICAL EDUCATION. B.Sc, McGill, 53; Commonwealth Fund fel, Buffalo, 56, 58, M.D., 58, A.m. Fund for Psychiat. fel, 59-60, Ed.D. fligher ed), 61. Res. assoc. student ment. health serv, McGill, 62-63; asst. prof. psychiat. & ed. & assoc. med. ed, Rochester, 63-66; assoc. prof. med. & ed, MICH, STATE, 66-68, PROF. PSYCHIAT. & ED, 68-DR. MED. ED. RES. & DEVELOP, 66- Consult, Am. Bd. Internal Med, 65-65; consult. & tech. adv. to exec. dir, World Med. Asn. Conf. on Med. Le, 69-72; mem. tech. adv. group, Nat. Med. Adulovisual Center, Nat. Library Med, Dept. Health, Ed. & Welfare, 68-70. AASI, San. Am. Med. Cols; Psychiat. Asn; Ed. Res. Asn; Am. Med. Asn. Instructional process in medicine, especially teacher-student interaction; problem-solving process in medicine, particularly implications of diagnostic strategies for approaches to student preparation. Publ. Programming and simulation: the discovery of the student in medical instruction, State Univ. Leiden, Holland, J. 68; Self-Instruction in medical education: principles, practices, prospects, Brit. J. Med. Ed. 3/68; Evaluation of audio-visual methods of medical teaching, Can. Med. Asn. J. 6/68. Address: Office of Medical Education research and Development, Michigan State University, East Lansing, Mich. 4823.
- JAY, DR. PHYLLIS CAROL (MRS. J. L. DOLHINOW). Anthropology, Primatology. See DOLHINOW, DR. PHYLLIS JAY, this Suppl.
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- JENKINS, PROF. FRANCES BRIGGS, b. San Diego, Calif. Oct. 15, 05; wid. LIBRARY SCIENCE, BIOCHEMISTRY. B.S. Illinois, 26; Ph.D. (biochem). 37; M.S. Tulane, 28: B.L.S. California, Berkeley, 47. Tech. asst. biochem. Tulane, 26-28; asst. biochemist, agr. exp. stat, Tennessee, 28-29; asst. & instr. biochem, col. med, Illinois, 29-41; super. correction sect, commundept, 11th Naval Dist, 42-44; head sci. reference sect, Univ. Calif. Library, 47-51; assoc. prof. LIBRARY SCI, ILLINOIS, VIRBANA, 51-57, PROF. 57-dir. biomed. librn. training prog. 68-71. Mem. adv. cmt. manpower & training, Nat. Library Med, 66-68; Isadore Gilbert Mudge citation distinguished contribution to reference librarianship, 66. U.S.N.R, 44-46, Res, 46-54, Lt. AAAS; Chem. Soc; Med. Library Med. Soc. Info. Sci. Spec. Libraries Asn; Asn. Am. Library Sch. Literature of pure and applied science; science information service; education for science librarianship. Publ: Science reference sources, Mass. Inst. Tech, 5th ed, 59; co-auth, Bibliography; current state and future trends, Univ. 11, 67. Address: Graduate School of Library Science, University of Illinois, Urbana, Ill. 61801.
- JENKINS, PROF. HOLMAN W, b. Bethlehem, Pa, Jan. 19, 22; m. 55; c. 3. POLITICAL SCIENCE. B.A, The Citadel, 47; M.A, Pennsylvania, 48, Ph.D. (polit. sci), 58. Asst. prof. polit. sci. & econ, Gettysburg Col, 48-50; res. dir, Cmt. of 70, Phila, Pa, 52-53; asst. prof. polit. sci. & econ, Lincoln (Pa), 55-64; dean arts & sci. Mansfield State Col, 64-66; prof. polit. sci. & chmn. div. soc, behav. & bus. sci, Kingsborough Community Col, City Univ. New York, 66-70; PROF. ECON, CHENEY STATE COL, 70- U.S.A, 42-46, Res, 51-53, Capt. Address: 98 Dartmouth Ave, Swarthmore, Pa. 19081.
- JENKINS, PROF. IREDELL. Philosophy. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos, Relig. & Law.
- JENKINS, DR. JOAN W(ILLIAMS). Clinical Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 6016 Highboro Dr, Bethesda, Md. 20034.
- JENKINS, DR. ROBERT S(PURGEON). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prin, 69-, Pierson Keating & Co, Inc, Management Consultants, 342 Madison Ave, New York, N.Y. 10017.
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- JENNESS, DR. D(IAMOND). Anthropology. See 11th ed, Soc. & Behav. Vols, deceased 69.
- JENNESS, DR. JOHN L(EWIS). Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address; Mgr, resources & tourism br, 70-, Cape Breton Development Corp, P.O. Box 1330, Sydney, N.S., Can.
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- JENNINGS, DR. FRANCES N(OVOTNY). Economics, Finance. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Mem. bd. dirs, N.Y. Univ. Bus. Forum, 69-70. Address: 26 Tloga Dr., Jericho, N.Y. 11753.
- JENNINGS, JAMES MURRAY. Geography, Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Pres, Jennings Assocs. Co, 69- Address: 1858 Chattleid Rd, Columbus, Ohio 43221.
- JENSEN, DR. BARRY T(HORVALD). Psychology. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New position: V.pres. & dir. behav. sci, Gen. Behav. Systs, Inc, 69- Address: 7829 Melba Ave, Canaga Park, Calli. 91304.
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- JENSEN, PROF. HOWARD EIKENBERRY. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: R.R. 1, Columbia, Mo. 65201.
- JENSEN, DR. LARRY C, b. Logan, Utah, Mar. 30, 38; m. 59; c. 2. PSYCHOL-OGY. B.S, Brigham Young, 60, M.S, 61; Ph.D.(ed. psychol), Mich. State, 65.

- Instr. PSYCHOL, State Univ. N.Y. Col. Potsdam, 62-64; ASSOC. PROF, BRIGHAM YOUNG, 65- Psychol. Asn; Ed. Res. Asn. Learning; attitude change; moral development. Publ: Retroactive inhibition and prose, J. Ed. Psychol, 70; Effects of two training procedures on moral judgment, 70 & Effects of two training procedures on moral judgment, 70 & Tevelop. Psychol. Address: Dept. of Psychology, Brigham Young University, Provo, Utah 84601.
- JENT, PROF. H. CLAY, b. Wamego, Kans, Apr. 2, 15; m. 47. PHILOSOPHY, EDUCATIONAL PSYCHOLOGY. B.S. Kans. State Teachers Col. 37; M.M.E., Kansas, 47, Ph.D. (ghilos. ed. psychol), 51. Asst. dir. bands & orchestras, high sch, Ark, 37-39; dir. bands & orchestras, city schs, Nebr, 39-41; dir. All-City Boys' Band & Northeast High Sch. Band, Lincoln, 41-42; dir. instrumental music, Tulare County, Calif., 42-43; asst. prof. ed. & psychol, CENT. MO. STATE COL., 49-52, assoc. prof. 52-59, PROF. PHILOS. & ED. 59-U.S.A, 44-6. Fel. Philos. Asn, fel. Philos. Ed. Soc. Philosophy of education; teaching theory; socio-governmental emphases. Publ: Scientific versus the pre-scientific—is it as simple as that?, Sch. Sci. & Math, 676; Student attitudes may have undemocratic roots, Ed. Forum, 1/66; Watchwords and catchwords of democracy, Phi Delta Kappa, 9/66. Address: Dept. of Philosophy, Central Missouri State College, Warrensburg, Mo. 64093.
- JENTZ, PROF. GAYLORD A. Business Law, Law. See A-K Vol, 11th ed. Soc. & Behav. Vols. New information: Chmn. dept. gen. bus. Texas, Austin, 68+; assoc. ed, Soc. Sci. Quart, 67; ed-in-chief, Am. Bus. Law J, 69-Address: Dept. of Business Law, University of Texas, 624 BEB, Austin, Tex.
- JERDEE, PROF. THOMAS HARLAN, b. Minneapolis, Minn, Aug. 30, 27: m. 54; c. 2. ORGANIZATIONAL BEHAVIOR. B.A. Gustavus Adolphus Col. 50; M.A., Minnesota, 56, Ph.D. (psychol), 61. Res. fel. mgt. develop, Minnesota, 54-59; from asst. prof. to PROF. ORGN. BEHAV, NORTH CAROLINA, CHAPEL HILL, 59- AAAS; Psychol. Asn; Psychomets. Soc. International managerial values. Publ: Co-auth, Identification of management potential, Brown, 61; An experimental evaluation of management evelopment, Personnel Psychol, 60; auth, Work group versus individual differences in attitude, J. Appl. Psychol, 66. Address: Dept. of Organizational Behavior, University of North Carolina School of Business Administration, Chapel Hill, N.C. 27514.
- JEROME, DR. ELDON KING, b. St. Clair, Mich, Aug. 29, 10; m. 48; c. 1. SPEECH PATHOLOGY, AUDIOLOGY. B.S. Northwestern, 32, M.A. 36, Ph.D. (Speech path, audiol), 48; Nat. Insts. Health fel, Hopkins, 59-61. Res. asst. speech path, Mooseheart Lab. for Child Res, 33-36; instr. speech, Purudue, 37-42; assoc. prof, Auburn, 48-50; prof. speech path. audiol, West Virginia, 50-57; exec. secy, Nat. Insts. Health, 57-59; audiologist, Vet. Admin, 61-63; ASSOC. PROF. SPEECH PATH. & AUDIOL, HOUSTON, 63-U.S.A.A.F., 42-46. Acoust. Soc. Am; Speech & Hearing Asn. Voice science. Publ: Change of voice in male adolescents, 36 & Laboratory aid for voice training, 40, Quart. J. Speech. Address: 8715 Manhattan Dr., Houston, Tex. 77035.
- JEROME, DR. WILLIAM T, III. b. New York, N.Y. July 29, 19; m; c. 4. ECONOMICS. B. A. Colgate, 41; M.B.A. Harvard, 46, D.C.S. 52; LL.D. Middlebury Col, 63; D.H.L., Toledo, 66. Teacher econ. & asst. to pres, Middlebury Col, 46-50; instr. & res. assoc. mgl. control, grad. sch. bus. admin, Harvard, 50-53; prof. & dean col. bus. admin. & dir. army comptrollership sch. Syracuse, 53-63; prof. & dean col. bus. admin. & dir. army comptrollership sch. Syracuse, 53-63; prof. & dean col. bus. admin. & dir. army comptrollership sch. Syracuse, 53-63; prof. & CONSULT, TO PRES. & V. PRES. ACAD. AFFAIRS, FLORIDA INTERNATIONAL, 70-Mem, cmt. grad. studies, Am. Asn. State Cols. & Univs. 69-Mil. Intel, U.S.A, 43-45. Management and organization, especially growth, change. vitality, environmental problems and issues. Publ. Executive control—the catalyst, Wiley, 61; co-auth. The state university—creator or conformist, Bowling Green State Univ, 64. Address: Florida International University, Tamiami Trail, Miami, Fla. 33130.
- JESKE, DR. J(ULIUS) OSCAR, b. Aleksandrow, Poland, May 6, 36; U.S. citt-zen; m. 66; c. 1. PSYCHOLOGY, COUNSELING. B.A, South. Calif. Col. 62; San Francisco State Col. 62; M.R.E, Golden Gate Baptist Theol. Sem. 65; Texas Christian, 68; Ed.D. (bsychol, counseling), Southwest. Baptist Theol. Sem., 69. ASST. PROF. PSYCHOL, OKLAHOMA BAPTIST, 69. Religious psychology. Publ: Contrib, Development psychology and the church, Broadman, 70. Address: 4311 N. Pottenger, Shawnee, Okla. 74801.
- JESSEN, PROF. RAYMOND J(AMES). Statistics. See A-K Vol. 11th ed, Soc. & Behav. Vols. Change of address: 851 20th St, Santa Monica, Calif. 90403.
- JEWELL, PROF. MALCOLM EDWIN. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 3337 High Hope Rd, Lexington, Ky. 40502.
- JEWELL, DR. WALTER ORWELL, b. Denver, Colo, Aug. 20, 19; m. 40; c. 1. PSYCHOLOGY. A.B. William Jewell Col. 40; M.A. Denver, 40; Illinois, Urbana, 40-43; Ph.D. (psychol), Minnesota, Minneapolis, 58. Asst, stud. personnel bur, Illinois, Urbana, 42-43; psychometrist, Denver, 46, asst. to dean of students, 46-48; dir. disciplinary counseling bur, Minnesota, Minneapolis, 48-53; psychologist, Vet. Admin. Hosp, Minneapolis, 58-60, ASST. CHIEF PSYCHOL. SERV. FOR COUNSELING, HAMPTON VET. ADMIN. CENTER, VA, 60- Lectr, tidewater center, George Washington Univ, Ft. Monroe, Va, 60-64, assoc. prof. lectr, 64-70, prof. lectr, 70- Consult, Tech. Opers, Inc. Seminar for U.S. Army Chaplains, Ft. Hamilton, N.Y. 63. U.S.A.A.F, 43-46, S/Sgt. Psychol. Asn. Human learning; research on defensiveness, manifest amxiety and problem solving in counseling and psychotherapy; hospital and domiciliary research in rehabilitation. Publ: Co-auth, Configurational aspects of human learning in the electric maze, Am. J. Psychol., 40. Address: Psychology Service, Hampton Veterans' Administration Center, Hampton, Va. 23367.
- JEWETT, DR. FRANK I, b. Eureka, Calif, Mar. 21, 36; m. 55; c. 3. ECONOM-ICS. B.A, Humboldt State Col, 62; Nat. Defense Ed. Act fel. & Ph.D. (econ), Claremont Grad. Sch. & Univ. Center, 68. Asst. prof. ECON, HUMBOLDT STATE COL, 65-69, ASSOC. PROF, 69- Econ. Asn; Economet. Soc. Re-

- gional econometric models; application of econometric models as planning aids in higher education. Publ: Auth, The impact of a national park upon a county's economy, Ann. Regional Sci, 12/68. Address: Dept. of Economics, Humbodid State College, Arcata, Calif. 95521.
- JICKLING, DR. DAVID L(EE). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Develop. admin. off, 68-, Agency for International Development, State Dept, Washington, D.C. 20523.
- JOEL, DR. CLARK. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Economist, 69-, Robert R. Nathan Associates, 1218 16th St. N.W, Washington, D.C. 20036.
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- JOHNS, LT. COL. CLAUDE J, JR, U.S.A.F. Political Science, Public Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir. library, 69-, U.S. Air Force Academy Library (DFSLB) U.S. Air Force Academy, Colo. 80840.
- JOHNSON, DR. ALBERT SYDNEY, III. Resource Ecology, Wildlife Biology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- JOHNSON, DR. ALLEN WILLARD, b. Berkeley, Calif, Oct. 19, 41; m. 64; c. 1. ANTHROPOLOGY. B.A, California, Berkeley, 63; M.A, Stanford, 65, Nat. Sci. Found. fel, 65-67, Ph.D. (anthrop), 68. ASST. PROF. ANTHROP, COLUMBIA, 68- AAAS; Anthrop. Asn. Economic and ecological approaches; peasant society: mathematical anthropology; Latin America. Publ. Economics and dependence on a Brazilian plantation, Stanford Univ. 70; co-auth, Wages and income in Ceará, Brazil, Southwest. J. Anthrop, spring 69. Address: Dept. of Anthropology, Columbia University, New York, N.Y. 10027.
- JOHNSON, DR. BROOKE R(ONALD). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Area prog. dir, 69-, New River Mental Health Center, 210 W. King St, Boone, N C. 28607.
- JOHNSON, DR. CARSON C(ARL), b. Baltimore, Md, Jan. 12, 30; m. 65; c. 3. PSYCHOLOGY, A.B, Lincoln (Pa), 51; M.S. Howard, 54; P.D. (Jayschol), Boston, 63. Instr. psychol, Northeastern, 63-64; asst. prof. psychol. & behav. sci, Mass. Col. Pharm, 64-66; ASSOC. PROF. PSYCHOL, EMMAN-UEL COL. (MASS), 66. Lectr., Northeastern, 64; Boston, 67-69. Res. assoc, Bedford Vet. Admin. Hosp, Mass, 63-66, res. consult, 66- AAS, Psychol. Asn. Animal motivation; animal and human learning; clinical psychopharmacology; behavior rating scale construction; behavior modification. Publi: Running wheel activity in the white rat as a function of activity restriction and food deprivation, Dissertation Abstracts, Boston Univ, 63; co-auth, Psychiatric and behavioral effects of chlorprothixene conc. sus. in chronic hospitalized schizophrenics, Diseases of Nervous Syst, 4/65. Address: Dept. of Psychology, Emmanuel College, 400 The Fenway, Boston, Mass. 02115.
- JOHNSON, DEAN C(HARLES) E(LLICOTT). Accounting. See 11th ed, Soc. & Behav. Vols, deceased 69.
- JOHNSON, DR. CHARLES W(ESLEY), b. Harvard, Nebr. Jan. 26; 31; m. 55; c. 3. PSYCHOLOGY, RELIGION. A.B, Nebr. Wesleyan, 52; B.D. Garrett Theol. Sem. 56; M.A. Northwestern, 57; Ph.D. (ed. psychol. & measurement) Nebraska, 63. Asst. prof. PSYCHOL, Carthage Col, 62-64; ASSOC. PROF, Buena Vista Col, 64-65; EVANSVILLE, 65- Psychol. Asn. Occupational choice; psychology of religion; philosophical psychology; existentialism. Address: Dept. of Psychology, University of Evansville, Evansville, Ind. 47704.
- JOHNSON, PROF. CORWIN W(AGGONER), Law. See 5th ed, Dir. of Am. Scholars, Vol. IV, Phitos, Relig. & Law.
- JOHNSON, PROF. DALE LADSWORTH. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Prof. 69-, Dept. of Psychology, University of Houston, Tex. 77004.
- JOHNSON, DR. DAVID A(LAN), b. Joplin, Mo, Sept. 12, 33; m. 56; c. 2. EX-PERIMENTAL PSYCHOLOGY. B.A, Tulsa, 55; M.S, Kans. State Col. Pittsburg, 64; NASA trainesehip, Okla, State, 68-69, Ph.D.(exp. psychol), 69. Prod. supvr, Johnson Mfg. Co, Inc, 56-62; instr. PSYCHOL, Kans. State Col Pittsburg, 64-65; Southeast Mo. State Col., 65-66; Okla. State, 68-69; ASST. PROF, SWEET BRIAR COL, 69- Nat. Sci. Found. res. grant, dept. psychol, Michigan, summer 70. U.S.A, 55-66. Animal behavior; human short-term memory. Publ: Co-auth, Effects of instructional set on pupillary responses during a short term memory task, J. Exp. Psychol, (in press). Address: Dept. of Psychology, Sweet Briar College, Sweet Briar, Va. 24595.
- JOHNSON, DR. DAVID C(HESTER). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dean arts & sci, 69-, East Stroudsburg State College, East Stroudsburg, Pa. 18301.

- JOHNSON, DR. DAVID E, b. Oakland, Calif, Nov. 14, 36. ECONOMICS. B.A, California, Berkeley, 59, M.A, 61, Ph.D. (econ), 68. Part-time res. economist, California, Berkeley, 64-68; ASST. PROF. ECON, SAN FRANCISCO, 68-Part-time econ. consult, State of Hawaii, 68- Econ. Asn. Economics of industrial organization; the petroleum industry on the Pacific Coast; market structure, conduct and performance. Address: 2674 17th Ave, San Francisco, Calif. 94116.
- JOHNSON, DR. DAVIS G(ILMAN). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. student serv, Asn. Am. Med. Cols, 69-Address: 6406 Maiden Lane, Bethesda, Md. 20034.
- JOHNSON, DR. E(DGAR) A(UGUSTUS) J(EROME). Economic History. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof. econ. hist, 69-, School of Advanced International Studies, Johns Hopkins University, Washington, D.C. 20036.
- JOHNSON, DR. EDGAR M, b. Jacksonville, Fla, Oct. 29, 41; m. 67. EXPERI-MENTAL PSYCHOLOGY, ERGONOMICS. B.S., Ga. Inst. Tech, 64; Nat. Defense Ed. Act fel, Tufts, 65-67, M.S., 67, Ph.D. (psychol), 69. RES. SCIEN-TIST, HUMAN ENG. LAB, U.S. ARMY, 69- U.S.A., 68-, Capt. Psychol. Asn, Human Factors Soc; Ergonomics Res. Soc. Human performance, especially attention, information processing and predictive behavior; mathematics modeling; statistics. Address: 621 Edgewood Rd, Edgewood, Md. 21040.
- JOHNSON, PROF. EDWARD E(LEMUEL). Experimental Psychology. See A.-K. Vol, 11th ed, Soc. & Behav. Vols. New information: Also Assoc. dean univ, 99-, Southern University, P.O. Box 9884, Baton Rouge, La. 70813.
- JOHNSON, DR. ELBERT B, b. Minneapolis, Minn, Feb. 22, 28; m. 48; c. 4. ECONOMICS. B.A, Kansas City, 51, M.A, 61; Ph.D. (econ), Iowa, 65. Res. assoc. econ. develop, Midwest Res. Inst, Kansas City, Mo, 56-57; econ, Community Studies, Inc., 57-59; res. asst, bur. bus. & econ. res, Univ. Iowa, 59-62; res. economist, indust. res. & exten. center, Univ. Arkansas, 62-65; ASSOC. PROF. ECON. & DIR. CENTER REGIONAL STUDIES, DRURY COL, 65-U.S.N.R, 45-46, Res, 46-58, Comdr. Regional economic development; urban economics and planning; economic geography. Publ. Co-auth, Economic study of the proposed Buffalo National River, Univ. Arkansas & US. Dept. Interior, 63; State plan.—Arkansas and regions, Univ. Arkansas & State Planning Off, 66. Address: Dept. of Economics, Drury College, Springfield, Mo. 65802.
- JOHNSON, DR. ELLIS LANE. Operations Research. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Mathematician, 68-, IBM Watson Research Center, P.O. Box 218, Yorktown Heights, N.Y. 10598.
- JOHNSON, DR. EUGENE M, b. Milford, Del, Oct. 21, 40; m. 62; c. 2. BUSINESS ADMINISTRATION. B.S., Delaware, 62, M.B.A., 64; Mkt. Sci. Inst. fel, Washington (St. Louis), 67-68, D.B.A. (hi,fkt), 69. Asst. bus, Delaware, 62-64; lectr. Washington (St. Louis), 64-66; instr. mkt, St. Louis, 66-67; lectr. BUS. ADMIN, DELAWARE, 68-69, ASST. PROF, 69., Improv. of Instr. grant, summer 69. Mkt. Asn. Service marketing management; buying behavior for services; sales management; quantitative methods in marketing. Publ: The meaning of theory and its present state in marketing, Bus. Viewpoints, 67; How to measure your bank 5 image, Banking, 12/69; The selling of services, It Handbook of modern marketing, McGraw, 70. Address: Office of Bushiess & Economics, University of Delaware, Newark, Del.
- JOHNSON, DR. FRANKLYN ARTHUR. Political Science. See A-K Vol., 11th ed, Soc. & Behav. Vols. Change of address: Lazy Brook Farm, 8878 Hooes Rd, Lorton, Va. 22072.
- JOHNSON, FREDERICK. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 69. Address: 1 Woodland Rd, Andover, Mass. 01810.
- JOHNSON, PROF. G(UY) B(ENTON). Sociology, Anthropology. See A-K Vol, 11th ed., Soc. & Behav. Vols. New information: Emer. prof, 99-, Dept. of Sociology, University of North Carolina, Chapel Hill, N.C. 27514.
- JOHNSON, DR. HAROLD L, b. Sioux City, Iowa, Apr. 5, 24; m. 48; c. 3. ECO-NOMICS. B.B.A, Texas, 47, M.B.A, 48; fcl., 48-50, Ph.D. (econ.), 52. Assoc. prof. transportation & econ, Georgia State, 51-57; PROF. ECON, EMORY, 57- Participant, Ford Found. Faculty Seminar, Univ. Michigan, 58; Ford Found. study fel, Carnegie Inst. Tech, 60-61, faculty fel, 65. U.S.A.A.f., 43-45, 2nd L. Econ. Asn. Microeconomic theory; business and society; comparative economic systems. Publ: Graphic analysis of multiple goal firms: development, current status and critique, In: Occasional Paper 4, Pa. State Univ, 66; Social responsible firms: an empty box or a universal set? J. Bus, 7/66; Experiments in behavioral economics: Siegel and Fouraker revisited, Behav. Sci, 9/67. Address: Dept. of Economics, Emory University, Atlanta, Ga. 30322.
- JOHNSON, PROF. HARRY ALLEYN. Developmental & Educational Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also assoc. dean, 69-, Virginia State College, Petersburg, Va. 23803.
- JOHNSON, PROF. HARRY L. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New publ: Ed, State and local tax problems, Univ. Tennessee, 69; auth, Monetary Issues of the 1960's, Univ, Texas, 69. Address: Dept. of Finance, College of Business, University of Tennessee, Knoxville, Tenn. 37916.
- JOHNSON, PROF. HARRY M(ORTON). Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 804 W. Indiana Ave, Urbana, Ill. 61801.
- JOHNSON, DR. JAMES ARTHUR, b. Virginia, Minn, Oct. 15, 36; m. 69; c. 4. ECONOMICS. B.A, Minnesota, Duluth, 58; M.A, Minnesota, Minneapolis, 60, Ford Found. fel, 60-62, Ph.D. (econ), 63. Instr. ECON, Minnesota, 59-62; lectr, McMASTER, 62-64, asst. prof. 64-68, ASSOC. PROF. 68. Brookings Econ. Policy fel, 68-69. Am. Econ. Asn. Nat. Tax. Asn; Can. Econ. Asn.

Public finance; welfare economics; economics of water pollution control. Publ: The incidence of government revenues and expenditures, Queens Printer, 66; Provincial—municipal intergovernmental fiscal relationships, Can. Pub. Admin. J. summer 69; The Distribution of the burden of sewer user charges under various charge formulas, Nat. Tat. J. 12/69. Address; Dept. of Economics, McMaster University, Hamilton, Ont, Can.

JOHNSON, DR. JAMES JAY, b. Emporia, Kans, Dec. 25, 39; m. 62; c. 1. EDUCATIONAL PSYCHOLOGY A.B, Washington (St. Louis), 61; M.A, Illinois State, 64; Ph.D. (counselor ed), Northwestern, 66. ASSOC. PROF. PSYCHOL, ILLINOIS STATE, 66. U.S.A.R, 61-67. Persomel & Guid. Asn; Asn. Counsr. Ed. & Supy; Asn. Measurement & Eval. in Guid. Function and status of junior college student personnel services; relationship of personality variables to counseling success. Publ: Co-ed, Readings for educational psychology, Holt, (in press); auth, The hippy as a developmental task, Adolescence, spring 69. Address: Dept. of Psychology, Illinois State University, Normal, Ill. 61761.

JOHNSON, DR. JAMES P(EARCE). American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

JOHNSON, PROF. JESSE B(UTLER), Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof. polit. sci, Cent. Conn. State Col, 69- Address: 474 S. Main St, West Hartford, Conn. 06110.

JOHNSON, L.T. COMDR. JIMMIE H, U.S.N, b. Rector, Ark, July 29, 28; m. 50; c. 2. INDUSTRIAL PSYCHOLOGY, HUMAN FACTORS ENGINEERING. A.B, San Jose State Col, 56, M.S, 59; Miami (Fla), 63-64. MED.SERV.C, U.S. NAVY, 59-, aviation psychologist, Naval Sch. Aviation Med, Pensacola, 59-63, res. psychologist, Naval Submarine Med. Res. Lab, New London, 64-67, aerospace psychologist, Staff, Comdr. Fleet Air Wings, Atlantic, Norfolk, 67-69, SCI, ADV. TEAM LEADER, COMMANDER ANTISUBMARINE WARFARE FORCES, ATLANTIC, 69- Psychol. Asn; Aerospace Med. Asn. Selection and training of aviation personnel; the influence of human factors upon weapons systems effectiveness. Publ: The effects of training plane type on jet pilot performance, 62, co-auth, The use of newly designated aviators as instructors, 63 & The relationship between mathematics and physics and flight training, 64, Aerospace Med. Address: Naval Air Station SP47, Room 120, Norfolk, Va. 23511.

JOHNSON, DR. JOE DAVID. Counseling Psychology. See A-K Vol., 11th ed, Soc. & Behav. Vols. New position: Dr. health & counseling center, 68-, Baylor University, Box 6306, BU Sub-Station, Waco, Tex. 76706.

JOHNSON, DR. JOHN THOMAS, JR, b. Knoxville, Tenn, June 10, 42; m. 64; c. 1. DEVELOPMENTAL PSYCHOLOGY. B.A, Carson Newman Col, 64; M.A, Wake Forest, 66; Ph.D. (psychol), George Peabody Col, 68. ASST. PROF. PSYCHOL, MEMPHIS STATE, 68- Consult, Arlington State Hosp. & Sch. for Retarded, 69- Asn. Ment. Deficiency. The investigation of attention and learning as a function of development with special interest in the mentally retarded. Publ: CS-UCS interval in differential eyelid conditioning with retardates, Psychonomic Sci, 9: 327-328; co-auth, Inhibition deficits in retardate learning and attention, In: International review of mental retardation, Acad. Press, 70 & Retroactive and proactive inhibition as a function of intelligence, Am. J. Ment. Deficiency, 70. Address: Dept. of Psychology, Memphis State University, Memphis, Tenn. 38111.

JOHNSON, PROF. JOSEPH K(ELLY). Sociology. See A.-K Vol., 11th ed. Soc. & Behav. Vols. New information: Prof. sociol, Huston-Tillotson Col., 69-Address: 407 W. 18th St., Apt. 300, Austin, Tex. 78701.

JOHNSON, DR. LANE J(OSEPH). Geography. See A-K Vol., 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Geography, Temple University, Philadelphia, Pa. 19122.

JOHNSON, DR. L(ELAND) L(EROY). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Sr. staff, Rand Corp, 69- Address: 649 Los Lomos, Pacific Palisades, Calif. 90272.

JOHNSON, PROF. LILLIAN M(AY). Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Also dir, 69-, Office of Educational Innovation, University of Cincinnati, Cincinnati, Ohio 45221.

JOHNSON, DR. LYNN ERIC. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir, 68-, Educational Information & Guidance Center, Brigham Young University, 212 Education Bldg, 500 N. University Ave, Provo, Utah 84601.

JOHNSON, DR. MAURICE GLEN. Political Science. See A-K Vol., 11th ed, Soc. & Behav. Vols. New position: Asst. to pres, 68-, Dept. of Political Science, Vassar College, Poughkeepste, N.Y. 12601.

JOHNSON, PROF. OLE S(IMON). Marketing, Business Administration. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dean, 69-, School of Business Administration, Old Dominion University, 49th & Hampton Blvd, Norfolk, Va. 23508.

JOHNSON, DR. OVERTON REXFORD, b. Dewitt, Va., Jan. 27, 23; m. 24; c. 3. AGRICULTURAL EDUCATION. BS, Va. State Col. 48; M.S., Cornell, 51, Ph.D. (agr. educ), 54. Teacher trainer agr. mech, Va. State Col., 54.66, dean sch. agr., 66-70; ASST. DEAN COL. AGR, VA. POLYTECH. INST, 70- Mem, Va. State Col. no. indust. of Agr., 68-69; Va. adv. cmt, Div. Planning & Community Affairs, 69-U.S.A., 42-7, Res., 47-, Lt. Col. Soc. Agr. Eng, Asn. Higher Educ; Voc. Asn. Design and development of woodchipping machines and the use and value of wood chips from farm woodlots. Address: College of Agriculture, Virginia Polytechnic Institute, Blacksburg, Va. 24061.

JOHNSON, PROF. PAUL E(MANUEL). Psychology of Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

JOHNSON, DR. PAUL ERICK, b. Minneapolis, Minn, Sept. 13, 38; m. 60; c. 3. EDUCATIONAL PSYCHOLOGY. B.S, Minnesota, 60; M.A.T, Hopkins, 61,

Ph.D. (ed. psychol), 64. Res. asst. psychol, Hopkins, 63-64; asst. prof. ED. PSYCHOL, MINNESOTA, MINNEAPOLIS, 64-68, ASSOC. PROF. 68- Mem, center res. in human learning, Minnesota, Minneapolis, 64-; U.S. Off. Ed. res. grant, 70-72; Soc. Sci. Res. Coun. fel, conf. learning & ed. process, Stanford, summer 64. AAS; Ed. Res. Asn; Psychol. Asn. Cognitive processes; psychology of science; communication of sclentific knowledge. Publ: Associative meaning of concepts in psyciscs, 64 & On the communication of concepts in science, 69, J. Ed. Psychol; co-auth, Reversibility in nonconservation of weight, Psychonomic Sci, 69. Address: Dept. of Educational Psychology, 331 Burton Hall, University of Minnesota, Minneapolis, Minn. 55455.

JOHNSON, DR. RAYMOND GUSTAF, b. Chicago, Ill, June 21, 26; m. 59; c. 3. PSYCHOLOGY. B.A, Augustana Col. (Ill), 50; M.A, Syracuse, 52; Ph.D. (clin. psychol), Minnesota, 67. Teacher, Boy's Farm Sch, Durand, Ill, 52–53; dean of men, Coe Col, 53-55; clin. psychologist, Minneapolis Gen. Hosp. 58–59; instr. PSYCHOL, Hamline, 59–60; asst. prof, MACALESTER COL. 60-67, ASSOC. PROF, 67– Psychol. Asn. Personality assessment; psychopathology ptiology. Address: Dept. of Psychology, Macalester College, St. Paul, Minn. 55101.

JOHNSON, PROF. RICHARD ABRAHAM. Latin American History, International Relations. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

JOHNSON, PROF. RICHARD M. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & head, 70-, Dept. of Political Science, University of Illinois, Chicago Circle, Box 4348, Chicago, III. 60680.

JOHNSON, PROF. RICHMOND EARLE, b. Springfield, Mass, Sept. 11, 33; m. 58; c. 4. EXPREIMENTAL PSYCHOLOGY. A.B. Lafayette Col. 56; M.A. Connecticut, 59; Lehigh, 67-70. Instr. PSYCHOL, MORAVIAN COL. 59-60, asst. prof., 60-69, ASSOC. PROF., 69-, chmn. dept, 60-65, dean students, 61-65. U.S.A.R, 57-58, Res, 58-69, Capt. AAAS; Psychol. Asn. Stimulus generalization; learning theory; experimental design. Publ: Co-auth, Discrimination reversal following learning without errors, Psychonomic Sci. 8/68, Toward cheating as a function of classroom dissatisfaction and peer norms, J. Ed. Res, 10/68 & Wavelength detection in the pigeon, Perception & Psychophys, (in press). Address: Dept. of Psychology, Moravian College, Bethlehem, Pa. 18018.

JOHNSON, DR. ROBERT B(ETHUNE). Geography, Long Range Planning. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: V.pres. res. Ed. Prod. Inc, 69 - Address: 4873 La Gama Way, Santa Barbara. Calif. 93105.

JOHNSON, ROBERT E(DWARD). Economics, Statistics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Dep. asst. cmnr. Bur. Labor Statist. 68- Address: 5702 37th Ave, Hyattsville, Md. 20782.

JOHNSON, DR. ROBERT M. b. Arnegard, N.Dak, May 1, 32; m. 57; c. 2. AUDIOLOGY. B.S., N.Dak. State, 51; M.A., Northwestern, 63, Ph.D. (audiol). 63. Res. assoc. AUDIOL, Northwestern, 62-64; ASST. PROF. DENVER, 66-U.S.A.F, 52-56, Res, 56-58. Speech & Hearing Asn. Publ: Co-auth. Earphone versus sound field threshold sound pressure levels for spondee words. J. Acoustical Soc. Am, 1/66. Address: Dept. of Speech. University of Denver, Denver, Colo. 2021.

JOHNSON, DR. ROGER N, b. Dayton, Ohio, Apr. 22, 39; m. 67; c. 1. PSY-CHOLOGY. B. A, Swarthmore Col, 61; M. A, Connecticut, 62, Ph.D.(gsy-chol), 66. ASST. PROF. PSYCHOL, Amherst Col, 65-68; TUFTS, 68-Nat. Inst. Ment. Health grants, 67-71. AAAS; Psychol. Asn; Animal Behav. Soc. Motivation; comparative and physiological psychology: learning. Publ; Pattern discrimination learning set formation in rats with brain stimulation as a reinforcer, Psychonomic Sci, 6: 315-316; Effects of intracranial reinforcement intensity and distributional variables on brightness reversal learning in rats, J. Comp. Physiol. Psychol, 66: 422-426; sr. auth. Intracranial self-stimulation and the rapid decline of frustrative non-reward, Science, 164: 971-972. Address: Dept. of Psychology, Tufts University, Medford, Mass. 02155.

JOHNSON, PROF. SHILDES (RISDON VAIL). Bible, Biblical Languages. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.

JOHNSON, DR. STANFORD L. Marketing. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Prof. bus. 69-, Dept. of Marketing, San Francisco State College, 1600 Holloway Ave, San Francisco. Calif. 94132.

JOHNSON, PROF. WALTER FRANK, JR. Counseling, Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 429 College of Education, Michigan State University, East Lansing, Mich. 48823.

JOHNSON, DR. WILLARD RAYMOND. Political Science. See A.-K Vol., 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-; Dept. of Political Science, Massachusetts Institute of Technology, Cambridge, Mass. 02138.

JOHNSON, DR. WILLIAM LEE. Mathematics, Operations Research. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

- JOHNSTON, DR. DENIS F(OSTER). Demography, Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Demographer, Bur. Labor Statistics, 69-; adj. prof. econ, Temple; lectr. sociol, Georgetown. Address: 1434 36th St. N.W., Washington, D.C. 20007.
- JOHNSTON, PROF. EDWARD FRANKLIN. Agricultural Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Agricultural & Resource Economics, University of Maine, 307 Winslow Hall, Orono, Maine 04473.
- JOHNSTON, PROF. JON JOLYON. Philosophy. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos, Relig. & Law.
- JOHNSTON, DR. THOMAS E, JR. English. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- JOHNSTONE, PROF. ROBERT LAWRENCE, b. Paducah, Ky, Sept. 14, 26; m. 48; c. 4. ECONOMICS, AGRICULTURAL ECONOMICS. B.S, Kentucky, 48, M.S, 57; Ph.D. (agr. econ), Illinois, 61. Teacher, Logan County Bd. Ed., 48-52; Todd County Bd. Ed., 52-53; farm mgr. & operator, Todd County, Ky, 49-55; res. asst. agr. econ, Kentucky, 55-56; Illinois, 56-59; exten. specialist, N.C. State Col, 59-64; PROF. ECON. & CHMN. DEPT. AGR, BEREA COL, 64- U.S.A, 44-64. Econ. Asri, Agr. Econ. Asn. Public finance, resource use in agriculture and related income and public policy aspects. Address: 319 Forest St, Berca, Ky. 40403.
- JOINER, PROF. HARRY MASON, b. Paducah, Ky, Aug. 30, 44; m. 68. INTER-NATIONAL RELATIONS, FOREIGN POLICY. B.A, DePauw, 65; M.A, Kentucky, 66, William Patterson fel, 68-69; M.A, Grad. Inst. Int. Studies, Geneva, 68. Asst. hist, Kentucky, 65-67; ASSOC. PROF. POLIT. SCI, ATH-ENS COL, 69- Polit. Sci. Asn. Soviet area; comparative government. Address: Dept. of Political Science, Athens College, Athens, Ala. 35611.
- JOLLIFFE, PROF. H(AROLD) R(ICHARD). Journalism. See 5th ed, Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- JONAS, PROF. HANS. Philosophy. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos, Relig. & Law.
- JONES, DR. AUSTIN (EDWARD). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir. clin. psychol. training prog, 68-, Dept. of Psychology, Arizona State University, Tempe, Ariz. 85281.
- JONES, DR. CHARLES CLYDE, b. East Lynn, W.Va, Feb. 9, 26; m. 51; c. 2. POLITICAL SCIENCE. B.A., Marshall, 49, M.A., 50, teacher cert, 52; Ph.D. (polit. sci.), West Viriginia, 67. Indust. engr., Sylvania Elec. Co, 52-63; instr. polit. sci., Westminster Col., 65-66; asst. prof. ARKANSAS STATE, 66-69, ASSOC. PROF. POLIT. SCI. & CHMN. DIV. POLIT. SCI, GEOG. & SOCIOL, 69- U.S.A., 44-46, 5/8gt. American government and foreign policy; state and local government. Publ: The Peace Corps: an analysis of the development problems, preliminary evaluation and future, Univ. Mich. 67. Address: Dept. of Political Science, Arkansas State University, State University, Ark. 72467.
- JONES, DR. C(HARLES) HERSCHEL. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: V.pres, 68-, Williamsport Area Community College, 1005 W. Third St, Williamsport, Pa. 17701.
- JONES, DR. DAVID HENRY. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- JONES, DR. DELMOS J. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: The City University of New York Graduate Center, 33 West 42nd St, New York, N.Y. 10036.
- JONES, PROF. DON ELWIN, b. Salt Lake City, Utah, Sept. 13, 27; m. 52; c. 2. PSYCHOLOGY, EDUCATION. B.S. Utah State, 51; M.A. Houston, 52; Ed.D. Iadmin), Artzona State, 62. Dir. student employment, Utah State, 54-56; supvr. eng. admin, Marquardt Corp., Utah, 56-58, supvr. salaried personnel, 58-60; mgr. prfnl. personnel, Motorola, inc., Ariz, 60-62; personnel & mgt. develop, Martin Marietta Corp. Colo, 62-65; PROF. ADMIN. SCI. & HEAD DIV, OCL. BUS. ADMIN, DENVER, 65- Lectr, Indust. Ed. Inst, U.S. Can. & Eng. 65-70. U.S.A., 46-47; U.S.A.F, 51-53, 1st Lt. Psychol. Asn. Organizational behavior ; small group dynamics; perception and communication. Publ: Training programs for scientists, Utah State Alummus, 2/56, Current programs of cooperative engineering, J. Eng., 5/63 & Creating an effective professional climate, Mach. Design, 1/64. Address: Division of Administrative Sciences, University of Denver College of Business Administration, Denver, Colo. 80210.
- JONES, DR. DOUGLAS N(ORIN). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Spec. asst. to secy. commerce, 68-, Dept. of Commerce, 14th & Constitution Ave, Washington, D.C. 20230.
- JONES, PROF. EDWARD S(AFFORD). Psychology. See 11th ed, Soc. & Behav. Vols, deceased. 69.
- JONES, DR. ELLIS JOHN, b. New Ulm, Minn, Nov. 13, 31; m. 54; c. 2. BUSINESS EDUCATION. B.A, Gustavus Adolphus Col, 52; M.A, Minnesota, Minneapolis, 55; Ed.D. (bus. ed), North Dakota, 65. Teacher, high sch, Minn, 55-58; Instr. BUS. ED, GUSTAVUS ADOLPHUS COL, 58-59, asst. prof. 59-65, ASSOC. PROF. 65-, asst. dean acad. affairs, 69-70. Mem. Policies Cmn. Bus. & Econ. Ed. 66-; Joint Cmt. Econ. Ed., 70- U.S.A, 52-54, Sgt. Voc. Asn. Business skills; shorthand. Address: Dept. of Economics & Business, Gustavus Adolphus College, St. Peter, Minn. 56082.
- JONES, DR. ENDSLEY TERRENCE. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 69-, Dept. of Political Science, University of Missouri at St. Louis, 8001 Natural Bridge Rd, St. Louis, Mo. 63121.

- JONES, PROF. ERNEST McCLAIN. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- JONES, PROF. EUGENE WISE. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Head, 69-, Dept. of Government, Angelo State University, San Angelo, Tex. 76901.
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- JONES, DR. GRANT D, b. Washington, D. C., Sept. 17, 41; m. 65; c. 1. CULTURAL & SOCIAL ANTHROPOLOGY. B.A., Fla. State, 62; Nat. Sci. Found, 1cl. Washington (Seattle), 63-64; Nat. Sci. Found, 1cl., Brandeis, 64-66, M.A., 65; Nat. Inst. Ment. Health 1cl., 66-68, Ph.D. (anthrop), 69. ASST. PROF. ANTHROP. & CHMN. DEPT, HAMILTON COL., 68- N.Y. State For. Area Course Prep. grant, N.Y. State Dept. Ed, summer 70. Anthrop. Asn; Soc. Appl. Anthrop. Economic anthropology; anthropology of development and modernization; comparative agricultural systems; revitalization movements; historical analysis in anthropology; Mesoamerica; the Caribbean; ethnological theory. Publ. Co-auth, Linguistic problems in British Honduras, Caribbean Quart, 12: 55; auth, British Honduras, In: American peoples encyclopedia, Grolier, (in press). Address: Dept. of Anthropology, Hamilton College, Clinton, N.Y. 13323.
- JONES, DR. JAMES A. Sociology. See A.K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 70-, School of Social Work, Columbia University, New York, N.Y. 10027.
- JONES, PROF. J(OHN) A(LAN). Cultural Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. soc. planning, 69-, College of Human Development, Pennsylvania State University, University Park, Pa. 16802.
- JONES, DR. LONNIE LEE, b. Clarksville, Tex, Apr. 29, 40; m. 61; c. 3. AGRICULTURAL & RESOURCE ECONOMICS. B.S. Stephen F. Austin State, 61; M.S. La. State, 64; Ph.D. (agr. econ), Ohio State, 67. Teacher, high sch, Woden, Tex, 61-62; ASST. PROF. AGR. ECON, TEXAS A&M, 67- Agr. Econ. Asn; Asn. Evolutionary Econ. Agricultural marketing and resource development especially development of regional interindustry economic models. Publ: Co-auth, Market power for agriculture in the Southwest, 68 & The southern rice industry, 70, Tex. & Mu Tunv. Address: Dept. of Agricultural Economics, Texas A&M University, College Station, Tex. 77843.
- JONES, PROF. LYLE V(INCENT). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also dean grad. sch. & v.chancellor, 69-, University of North Carolina at Chapel Hill, 104 South Bldg, Chapel Hill, N.C. 27514.
- JONES, DR. MARGARET HUBBARD. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Res. psychologist, 70-, Institute of Transportation & Traffic Engineering, Dept. of Engineering, University of California, Los Angeles, Calif. 90024.
- JONES, DR. MARSHALL B(USH). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 68-, Dept. of Behavioral Science, The Hershey Medical Center, Pennsylvanía State University, Hershey, Pa. 17033.
- JONES, DR. MARTIN V. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Div. staff, 70-, Mitre Corp, Westgate Research Park, McLean, Va. 22101.
- JONES, PROF. MARY COVER, b. Johnstown, Pa, Sept. 1, 96; m. 20; c. 2. PSYCHOLOGY. A.B, Vassar Col., 19; M.A, Columbia, 20, Rockefeller fel, 25-27, Ph.D. (jayehol), 26. Asst, psychologist, N.Y. Children's Hosp, 20; teacher, pub. Sch, N.Y, 20-21; psychometrist, Commonwealth Fund Pre-Sch. Surv, 21-23; res. assoc, inst. child welfare res, Columbia, 23-25; lectr, Calif. State Dept. Ed, 27-28; res. assoc, inst. human develop, CaLiFORNIA, BERKELEY, 28-59, lectr. psychol, univ, 46-59, assoc, prof. ED, 53-9, prof. 59-60, EMBR. PROF, 60. Lectr, Woman's Med. Col. Pa, 21-25; res. assoc. psychol, Stanford, 61-65. Consult, inst. human develop, California, Berkeley, 70-, Fortleth Anniversary award, 69. Psychol. Ash, fpres, div. develop, psychol, 64-65; G. Stanley Hall award, 68); fel. Soc. Res. Child Develop; fel. Geront. Soc. Patterns of development in adolescent; interrelationship of physical, social and emotional factors; family life and child rearing practices in group of young adults whose adolescent development has been studied. Publ: Co-auth, The course of human development, Blaisdell, 69; auth,

- A laboratory study of fear: the case of Peter, Pedag. Sem, 7: 31: 308-315; Personality correlates and antecedents of drinking patterns in adult males, J. Consult. Psychol, 32: 2-12. Address: 2683 Shasta Rd, Berkeley, Cal
- JONES, DR. NED GENE. Industrial Engineering, Management. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- JONES, DR. OLIVER. Economics, Statistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Exec. v.pres, Mortgage Bankers Asn. Am, 68-Address: 10417 Burnt Ember Dr., Silver Spring, Md. 2093.
- JONES, DR. PAUL D(AVID), b. Indianapolis, Ind. Apr. 1, 42; m. 64; c. 1. PSYCHOLOGY. A.B. Cincimati, 64, M.A., 67, Ph.D. (psychol), 69. ASST. PROF. PSYCHOL, LOUISVILLE, 68. Psychol. Ass.; Optical Soc. Am. Visual perception; color vision; electrophysiology. Publ: Co-auth, Effects of preceding presence or absence of reinforcement in human discrimination conditioning, Proc. Am. Psychol. Asn, 67 & CS intensity and CS-UCS interval effects in human eyelid conditioning, J. Exp. Psychol, 69; auth, Luminance additivity at high brightness, Vision Res, 70. Address: Dept. of Psychology, University of Louisville, Louisville, Ky. 40208.
- JONES, DR. RICHARD H(UNN). Statistics, Applied Mathematics. See 11th ed, Phys. & Biol. Vols. & Suppl. V.
- ONES, DR. RICHARD R(ICH), b. Providence, R.I. Nov. 1, 35; m. 61; c. 2. PSYCHOLOGY. B.A., Maine, 57, M.A., 61; Ph.D. (psychol), Oregon, 65. Asst. personnel psychologist, Armed Forces Induction Center, Detroit, Mich, 58-59; teaching asst, psychol. dept, Maine, 59-61; res. asst, univ. counseling center, Oregon, 61-63; ORE. RES. INST, 63-65, RES. ASSOC. PERSONAL-ITY ASSESSMENT, BD. & DEVELOP, PSYCHOL, 65- Teaching asst, psychol. dept, Oregon, 65, res. assoc, inst. col. teaching, 66-, acting dir. res, 66-67. Consult, Northwest Regional Ed. Lab, 65-; mem, Ore. Ed. Res. Com, 67- U.S.A, 57-59. Psychol. Asn; Ed. Res. Asn. Personality assessment; psychometrics; educational and developmental psychology. Publ. Co-auth, Interrelationships among personality scale parameters: item response stability and scale reliability, Ed. & Psychol. Measurement, 67; auth, Differences in response consistency and subjects' preferences for three personality inventory response formats, Proc. Annual Convention Am. Psychol Asn, 68; co-auth, Volunteer satisfaction with in-country training for the Peace Corps, Exp., Pub. Syst, (in press). Address: Oregon Research Institute, P.O. Box 3196, Eugene, Ore. 97403.
- JONES, DR. ROBERT J(OSEPH). Educational Psychology. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. clin. psychol. & assoc. dir. inst. human develop, 70-, Behavioral Science Center, Nova University, College Avenue, Ft. Lauderdale, Fla. 33314.
- JONES, DR. ROBERT WAYNE. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. 69-, Dept. of Counseling & Educational Psychology, Georgia State University, Atlanta, Ga. 30303.
- JONES, RONALD W(ADE). Economics. See A-K Vol., 11th ed, Soc. & Behav. Vols. New position: Dir. off. pop. progs, 69-, Bureau for Near East & South Asia, Agency for International Development, Washington, D.C. 20523.
- JONES, DR. ROYAL MAURICE, b. Franklin, N.C. Sept. 12, 37; m. 60; c. 1. ECONOMICS. B.S. Clemson, 60; M.S. Maryland, 62, Ph.D. (econ), 67. Fulbright lectr, Ahwaf Agr. Col, Iran, 64-65; economist, U.S. Dept. Agr. 65-66; asst. prof. agr. econ, Georgia, 66-67; ECON, Western Carolina, 67-69. ASSOC. PROF. ALASKA, 69- Econ. Asn. International economic development, especially land reform, Capital accumulation and trade and air considerations. Address: University of Alaska, 1820 W. Northern Lights Blvd, Anchorage, Alaska 99503.
- JONES, DR. RUTH SCHUESSLER, b. Milwaukee, Wis, June 21, 41; m. 66; c. 1. POLITICAL SCIENCE. B.S, Indiana State, 63; Ph.D.(polit. sci), Georgetown, 69. Instr. POLIT. SCI, Kansas State, 66-69; ASST. PROF, MISSOURI-ST. LOUIS, 69 Polit. Sci. Asn. Electoral behavior; political parties; political socialization; United States teachers, especially their values and attitudes toward change. Address: Dept. of Political Science, University of Missouri-St. Louis, 8001 Natural Bridge Rd, St. Louis, Mo. 63121.
- JONES, DR. TED L. Agricultural Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. dir. fiscal affairs, 69-, Ohio Agricultural Research & Development Center, Wooster, Ohio 44691.
- JONES, DR. THOMAS EVAN. Philosophy, Social Sciences. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- JONES, DR. VERNON. Educational Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Emer. prof, 68-, Dept. of Education, Clark University, Worcester, Mass. 01609.
- JONES, DR. WILLIAM F. Genetics, Science Education. See 12th ed, Phys. & Biol. Vols.
- JONYS, DR. BIRUTE P, b. Klaipeda, Lithuania; Can. citizen; m. 62; c. 1. PSYCHOLOGY. B.A, Toronto, 57, M.A, 59; Ph.D. (psychol), Chicago, 63. Head inpatients, Toronto Psychiat. Hosp, Ont, 64-65; sr. psychologist, North York Bd. Ed, Willowdale, Ont, 66-67; COUNSR, ALBERTA, 67-, ASSOC. PROF. PSYCHOL, 69- Development of self and morality; psychopathology and concept of self. Address: Dept. of Psychology, University of Alberta, Edmonton, Alta, Can.
- JORDAN, DR. AUGUSTUS E, b. Pelham, Ga, Mar. 22, 32; m. 56; c. 3. PSY-CHOLOGY. B.A., Emory, 53, B.D., 56; Ph.D. (psychol), Fla. State, 62. Res. assoc. psychol, Vet. Admin. Hosp. Columbia, S.C., 62-63; psychologist, Rohrer, Hibler & Replogle, 63-66; ASSOC. PROF. MGT, GEORGIA STATE, 66- Psychol. Asn. Psychological testing; computer simulation of intelligence; personnel selection and training. Publ: Co-auth, Does visual after-

- effects of motion add algebraically to objective motion of the test stimulus, J. Exp. Psychol, 63, Lack of effect of stimulant and depressant drugs on spiral affectifect, Perceptual & Motor Skills, 67 & The individual and the organization, Inspection News, 68. Address: Georgia State University, 33 Gilmer 8t. S.E., Atlanta, Ga. 30303.
- JORDAN, DR. DAVID CRICHTON, b. Chicago, Ill, Apr. 30, 35; m; c. 3. GOV-ERNMENT. A.B, Harvard, 57; LL.B, Virginia, 60; Rockefeller fel, Pennsylvania, 61-63, Ph.D, 64. Asst. prof, Pa. State, 64; GOVT. & FOR AFFAIRS, VIRGINIA, 65-68, ASSOC. PROF, 68-, CHMN. DEPT, 69- Latin American politics; international politics and law. Publ: Co-auth, Nationalism in contemporary Latin America, Free Press, 66; auth, World politics in Our time, Heath, 70. Address: Dept. of Government & Foreign Affairs, 232 Cabell Hall, University of Virginia, Charlottesville, Va. 22903.
- JORDAN, DR. EVAN P(AUL). Speech Pathology. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position & address: Assoc. prof. speech path, 68-, Dept. of Speech Pathology & Audiology, University of Montana, Missoula, Mont. 59801.
- JORDAN, DR. JAMES A(UGUSTUS), JR. Philosophy of Education. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos, Relig. & Law.
- JORDAN, DR. TERRY G. Geography. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn, 69-, Dept. of Geography, Nortl Texas State University, Denton, Tex. 76203.
- JORDAN, DR. ZBIGNIEW ANTHONY, b. Golaszyn, Poland, July 23, 11; m. 52. SOCIOLOGY, PHILOSOPHY. M.A. POZNAÍ, 34, Ph.D. (philos), 36. Asst. lectr. philos, Poznaí, 36-39; res. fel, Inst. East. European Studies, Fribour; 58-61; sr. vis. fel, Russian Inst, Columbia, 62-64; lectr. PHILOS, OF SOC. SCI, DEPT. SOCIOL, Reading, 64-68, reader, 68-69; PROF, CARLETON (ONT), 69- Polish Forces, 40-47. Asn. Symbolic Logic; Brit. Soc. Philos. Sci, Aristotelian Soc. Publ: Philosophy and ideology, D. Reidel, Dorcrecht, 63; The evolution of dialectic materialism, Macmillan & St. Martin's, 67: On logical determinism, Notre Dame J. Formal Logic, 63. Address; Dept. of Sociology & Anthropology, Carleton University, Ottawa, Ont, Can.
- JORDY, GEORGE YESSLER. Mathematics, Economics. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Pres, Jordy Associates, Inc. 69-Address: 614 College Pkwy, Rockville, Md. 20850.
- JORGENSEN, DR. E. CLAY, b. Roosevelt, Utah, Apr. 29, 37; m. 61; c. 5. PSYCHOLOGY. B.A, Brigham Young, 62, M.A, 63, Ph.D. (psychol), 68. Psychometrist, Utah State Prison, 63; intern psychol, Utah State Hosp. 63-64; counsr, Brigham Young, 64-65, instr. PSYCHOL, 65-66, ASST. PROF. 67-68; EAST. WASH. STATE COL, 66-67 & 68-Clin, psychologist. Spokane Child Guid. Clin, 69-, psychologist, Utah State Hosp, summer 65. Psychol. Asn. Human emotion; interpersonal communication perception. Address: Dept. of Psychology, Eastern Washington State College, Cheney, Wash. 99004.
- JORGENSEN, PROF. ERLING SEJR. Education, Instructional Media. See 5th ed. Dir. Am. Scholars, Vol. II, Eng. Speech & Drama.
- JORGENSON, PROF. DALE W. Economics. See A-K Vol., 11th ed. Soc. & Behav. Vols. New position & address: Prof. econ, 69-, Harvard University, 1737 Cambridge St, Room 510, Cambridge, Mass. 02138.
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- JOSEPH, DR. ROGER, b. Pasadena, Calif, July 23, 38; m. 63. ANTHROPOL-OGY, B.A. Nevada, Reno, 60; M.A. California, Los Angeles, 63, Ph.D. (anthrop), 67. ASST. PROF. ANTHROP, CALIF. STATE COL. FULLERTON. 67- AAAS; Anthrop. Asn. Study of social uses of wealth in Morocco; Martinique; economics; religion; philosophy. Address: Dept. of Anthropology, California State College at Fullerton, 800 N. State College Blvd, Fullerton, Calif. 39:631.
- JOSEY, PROF. CHARLES C(ONANT). Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: Box 1522, Tryon, N.C. 28782.
- JOSKOW, DR. JULES. Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: 127 Station Rd, Kings Point, N.Y. 11023.
- JOST, DR. KENNETH C. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chief clin. psychologist, Racine Co. Ment. Health Clin, 68- Address: 5200 Athens Ave, Racine, Wis. 53406.
- JOY, DEAN NED V(ERNON). Political Science. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Dean undergrad. studies, 69-, San Diego State College, San Diego, Calif. 92115.
- JOY, DR. VIRGINIA D, b. Haverhill, Mass, Jan. 28, 38: m. 69. SOCIAL PSY-CHOLOGY. B.A, Massachusetts, 62; Ph.D. (soc. psychol), Columbia, 67-Res. assoc. psychol, Columbia, 67-68, asst. prof. Soc. psychol, 68, psychol, Long Island, 68-69; STAFF MEM, WASH. SQUIAS, SALMAN, 1990, 1991,

- JREISAT, DR. JAMIL E, b. Jordan, Apr. 9, 35. PUBLIC ADMINISTRATION, POLITICAL SCIENCE. B.S. American Univ, 62; M.P.A., Pittsburgh, 63, Ph.D. (pub. & int. affairs), 68. Sr. officer, dept. of customs, Ministry of Finance & Customs, Jordan, 59-65; instr. pub. admin, Pittsburgh, 66-67, lectr, 67-68, ASST. PROF. POLIT. SCI, SOUTH FLORIDA, 68- Inter-Univ. Res. Prog. inst. Bidg. res. grant, Mid. East & U.S., 67-68. Soc. Pub. Admin; fel. Mid. East Studies Asn. N.Am; Mid. East Inst. Comparative and development administration. Address: Dept. of Political Science, University of South Florida, Tampa, Fla. 33620.
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- JULIAN, DR. JOSEPH. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Sociology, University of Nebraska, Lincoln, Nebr. 68508.
- JUN, DR. JONG SUP, b. Sunsan, Korea, July 26, 36; m. 64; c. 1. PUBLIC ADMINISTRATION, POLITICAL SCIENCE. LL.B, Taegu Univ, Korea, 60; M.A, Oregon, 64; Ph.D. Joub. admin, Southern California, 69. Res. assoc, teach. assistance proj. Southern California, 65-68, lectr, 68; ASST. PROF. PUB. ADMIN, CALIF. STATE COL. HAYWARD, 68-Soc. Pub. Admin; Polit. Sci. Asn; Int. Studies Asn. Evaluation of United States technical assistance abstract. Bublic policy: organization theory, and behavior: development better. Sci. Asn; Init. Studies Asn. Evaluation of United States technical assistance has a public policy; organization theory and behavior; developing better research methodology in the behavioral science through computers. Public accounts methodology in the behavioral science through computers. Public accounts a public policy and the American professional overseas, Public Advances (1984), auth, Some considerations of the role of bureaucray: effecting modernization of Korea, Korean Quart, spring 68. Address, Hayward, Calif. 95402.
- JUNG, DR. JOHN. Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, California State College at Long Beach, Long Beach, Calif. 99801.
- JUNG, DR. RICHARD. Psychology, Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. Prof, 70-, Dept. of Sociology, University of Alberta, Edmonton 7, Alta, Can.
- JUNK, DR. PAUL E(DWIN). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also Chmn, 70-, Dept. of Economics, University of Missouri, Columbia, Mo. 65201.
- Missouri, Columbia, Mo. 65201.

 JURALEWICZ, DR. RICHARD S, b. Torrington, Conn, June 25, 35; m. 56; c. 3. NDUSTRIAL PSYCHOLOGY, ORGANIZATIONAL BEHAVIGR. B. M.E., Gen. Motors Inst. Tech, 58; M. S., Rensselaer Polytech, 62, Gen. Motors [6, 62-66, Ph.D. (mgt), 66. Test engr., new departure div, Gen. Motors Corp. Conn, 58-59, proj. engr., 59-62; asst, sch. mgt, Rensselaer Polytech, 63-66; asst. prof. mgt, sch. bus. admin, Minnesota, Minnespolis, 66-69; ASSOC. PROF. MGT. ENG. WORCESTER POLYTECH, 69. Instr. mgt. develop. seminars, Minn. State Agr. Stabilization & Conserv. Serv. Off, U.S. Dept. Agr., spring 69. Consult, Minn. Mining & Mgc. Co. Oliver D. Billing & Assocs, inc, Dayton's Retail Dept. Stores, Target Discount Stores, Pepsi-Cola Co. metal stamping and construction firms, 66; NASA Manned Spacecraft Center, 67-U.S. A, 59-66. Inst. Mgt. Sci; Bidg. Res. Inst; Mgt. Asn; Ord. Asn; Acad. Polit. & Soc. Sci. Motivational basis of organization behavior and productivity in unstructured environmental situations; cross-sectional study of groups in various settings of construction, industrial distribution and engineering and development activities; validation of a perceived productivity index as a measure to evaluate operational effectiveness. Publ. Micro analysearch facility at NASA-MRC, NASA Manned Spacecraft repering and development activities; validations of a perceived productivity search facility at NASA-MRC, NASA Manned Spacecraft constructions engaged in non-residential construction, 69 & Managerial effectiveness among Minnesota organizations engaged in non-residential construction, 69 Management Engineering, Worcester Polytechnic Institute, Worcester, Mass. 01609.

- KAAS, DR. JON HOWARD. Psychology. See Suppl. VI to 11th ed, Phys. &
- KAATS, MAJ. GILBERT ROGER, U.S.A.F, b. Laurelton, N.Y, May 24, 33; m. 57; c. 2. PSYCHOLOGY. B.A, Maryland, 64; M.A, George Washington, 65; Ph.D. (bsychol), Colorado, 69. U.S. AIR PORCE, 54-, transport navigator, McGuire Air Force Base, N.J. 55-59, air sea rescue navigator & asst. personnel officer, Anderson Air Force Base, Guam, 59-61, transport navigator & admin. officer, Anderson Air Force Base, Md, 61-65, ASSOC. PROF. PSYCHOL, AIR FORCE ACAD, 65- Off. Aerospace Res. grant, 70-71. Psychol. Asn. Attitude assessment, personality factors in behavior differences under stress; changes in beliefs, attitudes and personality furing a college education; social problems; child psychology; cognitive development; human sexual behavior; attitude change. Publ: An approach to attitude assessment in a military setting, 69 & Developmental changes in belief systems during a service academy education, 69, Proc. Am. Psychol. Asn. The dynamics of sexual behavior of college students, J. Marriage & the Family, 70. Address: 9147 E. Oxford Dr, Denver, Colo. 80237.
- KABACK, PROF. GOLDIE RUTH. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 170 West End Ave, Apt. 24-T, New York, N.Y. 10023.

- KACSER, DR. PAMELA HADDY. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. prof. policy sci, Buffalo, 69; asst. chief div. econ. studies, Bur. Labor Statist, 69- Address: General Accounting Office Bidg, Room 2018, Fifth & GSL. N.W, Washington, D.C. 20548.
- KADANE, DR. JOSEPH BORN. Statistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. prof. statistics & soc. sci, Carnegie-Mellon Univ; on leave as analyst, Center Naval Anal, 88- Address: 1401
- KADISH, PROF. MORTIMER R(AYMOND). Philosophy. See 5th ed, Dir. of Am. Scholars, Vol. IV, Philos, Relig. & Law.
- KAELBLING, DR. RUDOLF. Psychiatry, Anatomy. See 11th ed, Soc. & Behav. Vols. New position: Prof. psychiat, Ohio State, 69- Address: 473 W. 12th Ave, Columbus, Ohio 43210.
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turbed adolescents. Publ: Wechsler intelligence scale of children as an instrument for measuring sociopathy, Dissertation Abstracts, 64 & Gestalt therapy and intrapersonal perceptions in an adolescent group, Psychother: Res. Theory & Practice, 70. Address: 1854 Joan of Arc Circle, Cuyahoga Falls, Ohlo 4423.

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KAPLAN, PROF. DONALD E, b. Des Moines, Iowa, Aug. 13, 21; m. 42; c. 2. SPEECH PATHOLOGY, AUDIOLOGY. B.A, California, Los Angeles, 51: Calif. State Col. Los Angeles, 52: M.A, Calif. State Col. Long Beach, 54: Southern California, 63. Speech therapist, Belliflower Sch. Dist, 51-54; consult. speech serv, Orange County Supt. Schs. Orf, 54-57; speech & hearing, Westminster Sch. Dist, 57-62; asst. prof. audiol, Chapman Col, 62-63; Whittier Col, 63-64: ASSOC. PROF. SPEECH PATH. & AUDIOL, CALIF. STATE COL. FULLERTON, 64- Mem, Rehab. Codes Ped, Proj. Calif., 67; mem. faculty, Nat. Defense Ed. Act Inst. Adv. Speech Studies, 68-69. U.S.N.R, 42-45. Speech & Hearing Asn. Nat. Ed. Asn. Publ: A phonetic approach to speech-reading, South. Calif. Hearing Coun, 11/58; Presidential address, Voice, 2/66; Sharing—a waste?, Grade Teacher, 68. Address: Dept. of Speech, California State College Blvd, Fullerton, Calif. 92631.

KAPLAN, DR. KALMAN J, b. Chicago, III, Oct. 22, 41; m. 65; c. 1. SOCIAL PSYCHOLOGY. A.B, Northwestern, 63; III. Inst. Tech, 59; U.S. Pub. Health Serv. trainer, Illinois, Urbana, 64-65, M.A, 66, Ph.D. (soc. psychol), 68. Teaching asst. PSYCHOL, Illinois, Urbana, 66-67; ASST. PROF, WAYNE STATE, 67- Nat. Insts. Ment. Health grant, summer 69; Nat. Sci. Found. grant, 70-72. Psychol. Asn; Soc. Psychol. Study Social Issues. Attitudes; interpersonal perception; political psychology. Publ. Co-auth, The source of beliefs, their saliency and prediction of attitude, J. Soc. Psychol, 6/69. Address: Dept. of Psychology, Wayne State University, Detroit, Mich. 48202.

KAPLAN, PROF. MARVIN LEE. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Psychology, University of Windsor, Windsor, Oht, Can.

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- KARGON, DR. ROBERT. History of Science. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
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- KARMEL, PROF. LOUIS JOSEPH, b. Chicago, Ill, Sept. 3, 31; m. 57; c. 3. PSY-CHOLOGY, EDUCATION. B.A, Roosevelt, 54; Loyola (Ill), 54-56; Ph.D. (counseling, ed. psychol), North Carolina, Chapel Hill, 61. Clin. psychologist, Mercy Hosp, Chicago, Ill, 55-56; Ment. Health Center, 56-57; dir. testing & res, Glenbrook High Schs, Ill, 61-65; asst. prof. counseling & ed. psychol, Queens Col. (N.Y), 65-67; assoc. prof. kentucky, 67-70; PROF. ED, NORTH CAROLINA, GREENSBORO, 70- Lectr, Roosevelt, 61-65; summers, asst, North Carolina, Chapel Hill, 61; vis. assoc. prof, Prof. Cause, U.S. Dept. Labor, 64; field assessment officer, Peace Corps Training Prof, Sierra Leone, 65. Consult, Piney Creek & Easy K Ranches, Melbourne, Ark, 63-; Vet. Admin. Hosp, Lexington, Ky, 99-70. U.S.A.F, 51-53. AAAS; Psychol. Asn; Personnel & Guld. Asn; Ed. Res. Asn. The significance of physical environment on human behavior; theoretical and practical aspects of psychotherapty and counselling; psychological and educational measurement. Publ: Testing in our schools, 66 & Measurement and evaluation in the schools, 70, Macmillan. Address: School of Education, University of North Carolina at Greensboro, Greensboro, N.C. 27412.
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 KARSTETTER, PROF. ALLAN B, b. Williamson, N.Y., May 19, 27; m. 57; c. 2. SPEECH. B.E, State Univ. N.Y., 49; M.A, Northwestern, 53; Ph.D. (speech), Pa. State, 63. Teacher, Corinth High Sch, 49-50, Northville Cent. Sch, 50-53; asst. prof. speech, State Univ. N.Y., 55-57, assoc. prof. 57-64; res. assoc, State Dept. Pub. Instr., Pa, 64-65; prog. dir., East. Regional Inst. Ed, 66-68; PROF. SPEECH & CHMN. DEPT, TEXAS WOMAN'S UNIV, 68-Grants, Ford Found, 65-66, Elem. & Sec. Ed. Act, U.S. Off. Ed, 66 & 66-68. Consult, Vanguard Sch, Paoll, Pa, 65-66; Barrisburg Inst. Med. Arts, 65-66; State of Vt. Cmnr. Ed, 66-67; Marymount Col. Va, 66-68. U.S.A, 45-46. Ed. Res. Asn, Speech Asn. Am; Ed. Theatre Asn. Rhetoric; research methodology; education systems engineering. Publ: Group dynamics, a factor in speech communication, Today's Speech, 975; Toward a theory of rhetorical irony, Speech Mongr, 6/64; co-auth, The rational model for change and title III, Theory into Practice, 9/67. Address: Dept. of Speech, Box 23775, Texas Woman's University, Denton, Tex. 78204.
- KARTMAN, DR. ARTHUR E(LWOOD), b. Chicago, Ill, Oct. 21, 42. ECO-NOMICS. B.A, MacMurray Col, 64; M.A, Washington (Seattle), 66, Ph.D. (econ), 69. ASST. PROF. ECON, SAN DIEGO STATE COL, 66. Econ. Asn. Urban-regional economics, specifically, housing markets, the quality of housing, land use and public finance. Address: Dept. of Economics, San Diego State College, San Diego, Calif. 92115.
- KASHDAN, LAURENCE, b. New York, N.Y, Dec. 29, 23; m. 67; c. 2. OPERA-TIONS RESEARCH, ENGINEERING PSYCHOLOGY. B.S, Chicago, 49; M.A, George Washington, 53. Sr. scientist, Hq. U.S. Air Force, 51-56; design specialist, Gen. Dynamics Corp, 56-62; opers. res. analyst, N.Am. Rockwell Corp, 62-68; MEM. PRFNL. STAFF, TRW SYSTS. GROUP, REDONDO BEACH, 68- Consult, El Camino Counseling Serv, 67- U.S.A, 43-46. Opers. Res. Soc. Am; Psychol. Asn. Macro-system economics; organization theory; technological optimization. Address: P.O. Box 90537, Los Angeles, Calif. 90009.
- KASOFF, DR. MARK JAY, b. New York, N.Y, June 17, 42; m. 64; c. 2. ECO-NOMICS. B.A, City Col. New York, 64; M.A, Indiana, 67, Ph.D.(econ), 69. ASST. PROF. ECON, ANTIOCH COL, 68- Consult, Urban Transportation Inst, Syracuse, 69- Econ. Asn. Urban economics; urban transportation, particularly modal split, quality of transit service and differences by city size. Publ: Quality of service and transit use, Traffic Quart, 1/70. Address: Dept. of Economics, Antioch College, Yellow Springs, Onio 45387.
- KASPERSON, DR. ROGER E. Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. govt. & geog, 69-, Clark University, Worcester, Mass. 01610.
- KASS, DR. HENRY D, b. Rochester, N.Y, Oct. 20, 34; m. 60; c. 2. POLITICAL SCIENCE. A.B, Alfred, 56; M.A, American Univ, 58, Ph.D.(govt), 69. Instr. govt, American Univ, 66.61; pub. info. specialist, Redevelop. Land Agency, D.C, 61-62; asst. prof. POLIT: SCI, EAST. WASH. STATE COL, 62-69, ASSOC. PROF, 69-, CHMN. DEPT. 6 DIR. CENTER FOR COMMUNITY DEVELOP, 70- Participant, Community Serv. Internship Prog, 66-68; Community Action Planning Prog, 68-68; Nat. Faculty fel. & dir. community sovernance proj. Wash. Center for Metrop. Studies, 69-70. Eval. consult, Spotadnin. Urban government, intergovernmental relations community studies; bureaucracy. Address: 414 N. Fitth St, Cheney, Wash. 99004.
- KASSCHAU, DR. RICHARD A, b. Paterson, N.J. Feb. 5, 41; m. 64; c. 1. EX-PERIMENTAL PSYCHOLOGY. A.B., Rochester, 62; M.A., lowa, 64; fel, Tennessee, 65-67, Ph.D.(exp. psychol), 67. ASST. PROF. PSYCHOL. SOUTH CAROLINA, 67- Grants, Univ. S.C. Cmt. Res. & Prod. Scholar, 67-68 & 69-70, U.S. Off. Ed, 69-70. Psychol. Asn, Psychonomic Soc. Transfer of training; short term memory; semantic satiation; measurement meaningfulness. Publ: Co-auth, Response transfer mediated by meaningfully similar and associated stimuli using a separate lists design, 74: 146-148 & Associative structure and the temporal characteristics of free recall, 76: 190-197, J. Exp. Psychol; auth, Semantic satiation as a function of duration of repetition and initial meaning intensity, J. Verbal Learning & Verbal Behay, 69. Address: Dept. of Psychology, University of South Carolina, Columbia, S.C. 29208.
- KASSM, DR. RAFIK M, b. Damascus, Syria, June 30, 30; m. 60; c. 2. MAN-AGEMENT, ACCOUNTING. B.S. Cairo, 53; M.B.A, Pennsylvania, 62, Ph.D. (bus), 68. Instr. acct. & econ, Damascus, 58-60; Lafayette Col., 65-67; ASST. PROF. ACCT. & COST, RENSSELAER POLYTECH, 67- Am. Acct. Asn. Macro-Micro analysis for business organizations; labor discipline and theory of business organization. Address: School of Management, Rensselaer Polytechnic Institute, Troy, N.Y. 12181.
- KASSOF, DR. ALLEN HOWARD. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Exec. dir, int. res. & exchanges bd, Am. Coum. Learned Soc-Soc. Sci. Res. Coum. 68- Address: Princeton University, 2-N-2 Green Hall, Princeton, N.J. 08540.
- KAST, PROF. FREMONT E, b. Modesto, Calif, Jan. 27, 26; m. 48; c. 2. MANAGEMENT, ORGANIZATION THEORY. B.A, San Jose State Col, 46; M.B.A,
 Stanford, 49; D.B.A. (bus), Washington (Seattle), 56. Instr. bus. admin, Syracuse, 49-51; from instr. to PROF. MGT. & ORGN. THEORY, WASHINGTON
 SEATTLE), 51- Vis. assoc. prof. Columbia, 57-56; Fulbright prof. Netherlands Sch. Econ, 63-64. U.S.N, 44-46, Lt.(§2). Acad. Polit. & Soc. Set;
 Sociol. Asn, Acad. Mgt. Systems management, studies of the relationship
 between technology and organization structure and psycho-social systems.
 management of systems, 67 & Organization and management, 70, McGraw.
 Address: Dept. of Management, University of Washington, Seattle, Wash.
 89105.

- KASUN, DR. JACQUELINE RORABECK. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address; Assoc. prof, 69-, Dept. of Economics, Humboldt State College, Arcata, Calif. 95521.
- KASWAN, PROF. JAQUES W(ALDEMAR). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Dept. of Psychology, Ohio State University, Columbus, Ohio 43210.
- KATCHER, DR. AARON HANNA, b. Philadelphia, Pa, Jan. 1, 32; m. 59; c. 3. PSYCHATRY. A. B., Williams Col., 52; M. D., Pennsylvania, 56. Res. psychiat, Inst. Pa. Hosp, 60-61; hosp, SCH. DENT. MED. PENNSYLVANIA, 61-63, asst. inst., 57-63, instr. psychol. & med. 63-65, assc., 65-68, asst. prof. PSYCHAT, 639, ASSOC PROF, 69-U.S. Pub. Health Serv. fels, Pennsylvania, 450, asst. prof. prof., 69-U.S. Pub. Health Serv. fels, Pennsylvania, 450, asst. prof., 67-04. The Mem., cours on circulation, Am. Heart Asn, mem. prill. adv. adv., Food. The Control of the Control
- KATCHER, DR. A(LLAN). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Pres, 69-, Atkins-Katcher Associates, Inc, 8201 Beverly Blvd, Los Angeles, Calif. 90048.
- KATES, DR. ROBERT W. b. Brooklyn, N.Y. Jan. 31, 29; m. 48; c. 3. GEOG-RAPHY. Indiana, 57; A.M. Chicago, 80, Resources for the Future fel, 81-82; Ph.D. (geog), 82. Asst, prof. GEOG, grad. sch. geog. Clark, 82-85, assc., prof. 65-67; lectr. Univ. Col. Dar es Salaam, Tanzania, 67-88; PROF. GRAD. SCH. GEOG, CLARK, 68- P-tri. investr, study of flood damage, Harvard Water Resources Prog. 63-65; dir. Bur. Resource Assessment & Land Use Planning, Univ. Col. Dar es Salaam, 67-69; guest lectr, Nat. Sci. Found. Summer Inst. Introductory Geog, 66. Mem, cmt. on Alaska earthquake, Nat. Res. Coun-Nat. Acad. Sci. 64: Task Group Human Dimensions of Atmosphere, Nat. Center Atmospheric Res, 66-67. Asn. Am. Geog; Geog. Soc; Regional Sci. Asn. Environmental perception, especially natural hazards; resources management, particularly water resources and development problems. Publ: Hazard and choice perception in flood management, 62, Industrial flood losses: damage estimation in the Lehigh Valley, 65 & co-auth, Readings in conservation and resource management, 69, Univ. Chicago. Address: Graduate School of Geography, Clark University, Worcester, Mass. 01610.
- KATKOFF, PROF. V(LADIMIR). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 3479 S. Leisure World, Silver Spring, Md. 20906.
- KATKOVSKY, PROF. WALTER. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 68-, Dept. of Psychology, Northern Illinois University, De Kalb, III. 60115.
- KATZ, DR. ALFRED. Political Science, History. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 627 W. Crestwood Dr, Peoria, Ill. 61614.
- KATZ, PROF. B(ENJAMIN) J(OSEPH). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 68-, Dept. of Economics, New York University, University College, New York, N.Y. 10453.
- KATZ, DR. ELIAS. Clinical Psychology. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New information: Asst. dir. Center Training Commun. Psychiat. & Ment. Health Admin, Berkeley, 68- Address: 3 Los Altos Dr, San Rafael, Calif. 94901.
- KATZ, DR. JOSEPH, b. Zwickau, Germany, Mar. 14, 20; nat; m. 55; c. 3. PHLDGOPHY. M.A, Pennsylvania, 42; fel, Columbia, 43-44, Ph.D, 48. Lectr., Columbia, 45-46, 52; instr., Cornell, 46-47; asst., prof., Amherst Col, 47-48; Vassar Col, 48-54, assoc. prof., 54-59, prof., 59-61; EXEC. DIR, INST. STUDY HUMAN PROBLEMS, STANFORD, 61. Woodbridge Prize, Columbia, 49; U.S. Pub. Health Serv. res. fel. & res. assoc. psychiat, California, Berkeley, 58-60. Consult, Group Advan. Psychiat, 61- Orthopsychiat. Asn; fel. Philos. Asn; Soc. Psychol. Stud. Social Issues. Personality psychology; ethics; ancient philosophy. Publ: Co-auth, The American college, Wiley, 62 & Philosophy in the West, Harcourt, 65; auth, No time for youth, Jossey-Bass, 68. Address: Institute for the Study of Human Problems, Stanford University, Stanford, Calif. 94305.
- KATZ, DR. LEO. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 296 Hamilton Rd, Rockville Centre, N.Y. 11570.
- KATZ, DR. LEONARD, b. Boston, Mass, Mar. 6, 38; m. 62; c. 2. EXPERI-MENTAL PSYCHOLOGY. B.S. Massachusetts, 59, Ph.D. (psychol), 63. Fel. PSYCHOL, inst. math. studies in soc. sci, Stanford, 63-65; asst. prof. CON-NECTICUT, 65-68, ASSOC. PROF. 68- Nat. Inst. Ment. Health grants, 67-69; Nat. Inst. Child Health & Human Develop, grant, 69-71. U.S.A.R, 57-63. Psychol. Asn. Short-term memory; verbal learning; reading; mathematical psychology Publ: Amount of reward and relative frequency of amounts of reward in paired-associate learning, Can. J. Psychol, 66, The limited capacity hypothesis: effects of sequence length and instructions in free-recall, J. Verbal Learning & Verbal Behav, 68 & Motivation and retrieval in short-term free recall, J. Exp. Psychol, 69. Address: Dept. of Psychology, University of Connecticut, Storrs, Conn. 06268.
- KATZ, DR. MARTIN M. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Chief, clin. res. br., Nat. Inst. Ment. Health, 68- Address: 3941 Rickover Rd, Silver Spring, Md. 20902.
- KATZ, DR. MARVIN C. Philosophy, Social Sciences. See 5th ed, Dir. Am Scholars, Vol. IV, Philos, Relig. & Law.

- KATZ, PROF. MILTON. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- KATZ, DR. PHYLLIS A(LBERTS). Developmental Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, ed. psychol, 69-, Division of Teacher Education, City University of New York, 33 W. 42nd St, New York, N.Y. 10036.
- KATZ, PROF. SANFORD NOAH. Law, Behavioral Sciences. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- KATZ, PROF. SAUL M(ILTON). Social Sciences. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. econ. & dir, 69-, Program in Economics & Social Development, University of Pittsburgh, Pt. 15213.
- KATZEV, DR. RICHARD, b. Los Angeles, Calif, Feb. 2, 37; m. 58; c. 2. EX-PERIMENTAL PSYCHOLOGY. B.A, Stanford, 58; Ph.D. (psychol), California, Berkeley, 65. Fel. PSYCHOL, sch. med, California, 65-66; lectr, California, Santa Barbara, 66-67; ASST. PROF, REED COL, 67- AAAS; Psychol. Asn. *Conditioning theory; avoidance learning; aggression; social influence processes. Address: Dept. of Psychology, Reed College, Portland, Ore. 97202.
- KAU, DR. YING-MAO, b. Taiwan, China, Aug. 31, 34; U.S. citizen; m. 59; c. 3. POLITICAL SCIENCE. B.A, Taiwan, 56; M.A, Cornell, 60, univ, fel, 64-65, London-Cornell Proj. fel, 65-66, Ph.D. (polt. sci.), 68. Instr. POLIT, SCI. BROWN, 66-68, ASST. PROF, 68- Soc. Sci. Res. Coun. res. grants, 67, 69-70; res. fel, center adv. study, Univ. Illinois, 69-70. Polit. Sci. Asm. Asn. Asian Studies. Political development; comparative government; Chinese politics. Publ: Bureauratic and political development in Communist China, Stanford, 70; The urban bureaucratic elite in Communist China, In: Chinese Communist politics in action, Univ. Washington, 69. Address: Dept. of Political Science, Brown University, Providence, R.I. 02912.
- KAUFMAN, ALVIN. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Acting sr. staff specialist mineral, Bur. Mines, Dept. of Interior, 69- Address. '718 Newcastle Dr, Annandale, Va. 22003.
- KAUFMAN, PROF. EDMUND G(EORGE). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- KAUFMAN, DR. HAROLD F(REDERICK). Sociology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Res. prof. Sociol, 69-, Box 5161, Mississippi State University, State College, Miss. 39762.
- KAUFMAN, PROF. HERBERT. Political Science. See A. K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Sr. fel, govt. studies, 69-, Brookings Institution, 1775 Massachusetts Ave. N.W. Washington, D.C. 20036.
- KAUFMAN, DR. ROBERT, b. Kansas City, Mo, Aug. 20, 39; m. 62; c. 2. PO-LITICAL SCIENCE. B.A., Harvard, 61, Ph.D.(polit. sci), 67. Lectr. POLIT. SCI, Boston, 66-67; res. assoc, center for int. affairs, Harvard, 67-68; ASST. PROF, DOUGLASS COL, RUTGERS, 68- Polit. Sci. Asn. Latin American political development. Publ: The Chilean political right and agrarian reform, Inst. Comp. Study Polit. Systs, 67; co-auth, Reform and revolution in Latin America, Allyn & Bacon, 69 & Comparative politics, Free Press, 71. Address: Dept. of Political Science, Douglass College of Rutgers, The State University, New Brunswick, N.J. 08903.
- KAUFMAN, DR. TERRENCE SCOTT. Linguistics. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.
- KAUFMANN, DR. HUGO M, b. Basel, Switz, Mar. 19, 32; m. 55; c. 1. ECO-NOMICS. Basel, 51-53; Ph.D. (econ), Columbia, 68. Lectr. ECON, Brooklyn Col, 62-64; ASST. PROF, Franklin & Marshall Col, 64-67; QUEENS COL. (Y.Y), 67- Econ. Asn. Monetary and international economics. Publ: Germany's revaluation debate 1961, Welvirtschaftliches Archiv, 70 & co-auth, An examination of the techniques of German monetary policy, (in press). Address: Dept. of Economics, Queens College, Flushing, N.Y. 11867.
- KAUFMANN, DR. THOMAS D. Economics, Finance. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. corp. planning, Hunter Douglas Ltd, 69- Address: 16 Egerton Terr, London, S.W. 3, Eng.
- KAY, DR. BARBARA ANN, b. Suffern, N.Y, Mar. 2, 29. SOCIOLOGY. B.Sc, Ohio State, 55, M.A, 56, Nat. Inst. Health fel, 60-61, Ph.D. Isociol), 61. Teaching asst, Ohio State, 57-58, asst. instr, 59-60; instr, Wittenberg, 58-

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59; asst. prof. Northern Illinois, 61-63; Massachusetts, 63-65; assoc. prof. Fla. State, 65-66; task force dir, Joint Cmn. Correctional Manpower & Training, Inc, D. C, 66-67; ASSOC. PROF. PSYCHAIT. & SOCIOL, FLORIDA, 68- Res. asst, delinquency proj. Ohio State Develop. Fund, 55-56, 64; Nat. Insts. Health res. grant, 62; faculty res. grant, Massachusetts, 65. Consult, President's Cmn. Law Enforcement & Admin. Justice, 66; W. Coast Independent Sch, Calti, 67- AAAS; Soc. Study Social Probs; Sociol. Asn. Delinquency and self concept; female offenders' self perceptions; sex role differentiations. Publ: Co-auth, Probation and parole, 63 & Penology: a realistic approach, 64 & 69, C.C. Thomas; auth, The female offender, President's Cmn. Law Enforcement & Admin. Justice, 67. Address: 2233 N.W. 19th Lane, Gainesville, Fla. 32601.

KAY, DR. LILLIAN W(ALD) (MRS. FLOYD ZULLI). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Policy exec, Nat. Asn. Mfrs, 69- Address: 37 Washington Square, New York, N.Y. 1001.

KAYE, DR. HERBERT. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. prof. psychol. & gynec. & obstet, Emory, 68-; consult. ed, J. Exp. Child Psychol, 68- & Develop. Psychol, 68- Address: Dept. of Psychology, Emory University, Atlanta, Ga. 30322.

KAYE, PROF. NORMAN J(OSEPH). Statistics, Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn. dept. indust. mgt, 69-, College of Business Administration, Marquette University, Milwaukee, Wis. 53233.

KEANE, FRANCIS LEO, b. Lynn, Mass, Nov. 20, 05; m. 37; c. 1. GUIDANCE & COUNSELING. B.S. Ed, Boston, 47, M. Ed, 49. Personnel admin. asst, Gen. Elec. Co, Mass, 23-34; voc. counser, Mass. State Employ, Serv, Boston, 34-45; voc. psychologist, Vet. Admin. Hosp, Boston, 46-50; dir. pupil personnel servi, LTVN PUB. SCHS, MASS, 51-61, SUPVR. SCH. ADJUST. COUNSELING, 61- Lectr. Boston Univ, 36-45. U.S.N, 41-45, Lt. Comdr. Guid. & Personnel Asn; Nat. Voc. Guid. Asn; Asn. Clin. Comsr. (exec. secy, 59-). Research, development and standardization of employment test instruments for industrial application; vocational and educational counseling of post-high school students; research and application in the work of a school psychologist. Address: 6 Lexington St, Lynn, Mass. 01902.

KEASEY, DR. CHARLES BLAKE, b. Evanston, Ill. June 1, 40; m. 56; c. 1.
DEVELOPMENTAL & SOCIAL PSYCHOLOGY. B.S. Jowa State, 64, M.S., 66;
Ph.D. (psychol), California, Berkeley, 69, ASST. PROF. PSYCHOL, DOUGLASS COL, RUTCERS, 69.— U.S.A, 59-85. Social influence, especially from peer group; cognitive view of social and personality development, especially moral development, sex-role acquisition and locus of control. Publ. Colauth, The effect of labeling as an informational social influence upon color perception, J. Soc. Psychol, 69 & Honesty and altruism among preadoles—
cents, Develop, Psychol, 07; auth, Sex differences in yielding to temptation: a function of the situation, J. Genetic Psychol, 70. Address: Dept. of Psychology, Douglass College of Rutgers, The State University, New Brunswick, N.J. 08903.

KEEGAN, DR. WARREN J, b. Junction City, Kans, Oct. 19, 36; m. 61; c. 3. MANAGEMENT, MARKETING. B.A, Kansas State, 58, M.A, 59; M.B.A, Harvard, 61, Ph.D.(bus, admin), 67. ASST. PROP. INT. BUS. & MKT, CO-LUMBIA, 67. Consult, Mict. Sci. Inst, 69. Adj. Gen. C. U.S.A, 53-99, 1st Lt. Mkt. Asn; Asn. Ed. Int. Bus. Publ: Acquisition of global business information, 344,66 & Multinational pricing: how far is arm's length, 526,69, Columbia J. World Bus; Multinational product planning: strategic alternatives, J. Mkt., 1/69. Address: 410 Uris Hall, Graduate School of Business, Columbia University, New York, NY. 10027.

KEELER, DR. EMMETT BROWN. Mathematical Economics, Systems Analysis. See Suppl. V to 11th ed, Phys. & Biol. Vols.

KEEN, PROF. FORREST M(EARL). Sociology. See 11th ed, Soc. & Behav. Vols, deceased 68.

KEENAN, DR. JAMES J(OSEPH). Behavioral Science, Psychology. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: President, 70-, Keenan & Assoc, Cavalry Rd, Wilton, Conn. 06897.

KEENER, PROF. ORRIN L(OUIS). Geography. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Pastor, Evarts United Church of Christ, 69-Address: 105 Crescent Dr, Berea, Ky. 40403.

KEENEY, DR. TERRENCE J(OSEPH), b. Vallejo, Calif., Feb. 23, 43; m. 64; c. 1. PSYCHOLOGY, B. A., California, Berkeley, 64; Nat. Sci. Found. & Nat. Inst. Child Health & Human Develop. fel, Minnesocia, Minneapolis, 65-68, Ph.D. (psychol), 66. Assoc. res. psychologist. Ed. Testing Serv, 68-69; ASST. PROF. PSYCHOL, CALIFORNIA, RIVERBIDE, 69-Soc. Res. Child Develop. Human learning, psycholinguistics and cognitive processes from a developmental viewpoint; the child's initial acquisition of language; the adults' rapid comprehension and production of speech. Publ. Corault Spontaneous and induced verbal rehearsals in a recall lass straints. (ABB) configuration, 12/64, Child Develop; auth, Permutation transformations on phrase structures in letter sequences, J. Exp. Psychol, 10/69, Address: Dept. of Psychology, University of California, Riverside, Calif. 92502.

KEENY, PROF. BOB M, b. El Dorado Springs, Mo, Oct. 2, 24; m. 44; c. 2. FINANCE, ECONOMICS. B.S. Missouri-Columbia, 51; fel, Missouri-Kansas
City, 60-62, M.B.A, 63; Ph.D. Iecon), Kansas, 67. Staff mem, Touche, Ross
& Co, 53-57; v.pres. & treas, Inglis Co, 57-69; instr, sch. bus, Kansas,
62-64; asst. prof. Inance, Missouri-Kansas City, 64-67, assoc. prof, 67-70;
PROF. BUS. ADMIN. & ECON. & CHMN. DIV. BUS. ADMIN, COL. OF THE
VIRGIN ISLANDS, 70- Econ. Asn; Finance Asn; Inst. Cert. Pub. Acct. History of cost doctrine; current cost concepts; security analysis. Address:
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KEESING, DR. DONALD BEAUMONT, b. London, Eng. Nov. 11, 33; U.S. citizen; m. 63; c. 2. ECONOMICS. A.B., Barvard, 54, Thomas S. Upham scholar, 54-56, M.A., 56, Barvard Econ. Res. Proj. 1e1, 59-61, Ph.D. (econ), 61. Economist, systs. anal. oft, U.S. Alr Force Cambridge Res. Center, 57-59; Inst. Defense Anal, 61-64; asst. prof. ECON, Columbia, 64-68; ASSOC. PROF, STANNFORD, 68-Soc. Sci. Res. Coun-Am. Coun. Learned Soc. 61, 66-68. U.S.A.R., 56-64, S/Sgt. Am. Econ. Asn; Polit. Sci. Asn; Royal Econ. Soc. Patterns and basic causes of international trade and development; skill requirements; economies of scale; country-size effects in manufacturing; human resource aspects of development; development planning and appropriate policies. Publ. Labor skills and comparative advantage, Am. Econ. Rev., 5/66; The impact of research and development on United States trade, J. Polit. Econ., 2/67; Structural change early in development: Mexico's changing industrial and occupational structure from 1895 to 1950, J. Econ. Hist, 12/69. Address: 711 Salvatierra St, Stanford, Calif. 94955.

KEHL, DEAN JAMES A(RTHUR). History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

KEHOE, DR. ALICE BECK, b. New York, N.Y, Sept. 18, 34; m. 56; c. 3. AN-THROPOLOGY. B.A, Columbia, 56; Ph.D. (anthrop), Harvard, 64. Asst. prof. ANTHROP, Nebraska, Lincoln, 65-68; ASSCC. PROF, MARQUETTE, 68-Am. Anthrop. Asn; Soc. Am. Archaeol. North American and European pre-history and ethnology; anthropology in education. Publ. Hunters of the buried years, Sch. Aids Textbook Co, Can, 62; chap, In: The modern Sioux, Univ. Nebraska, 70; chap, In: Man across the sea, Univ. Texas, 70. Address: Dept. of Sociology & Anthropology, Marquette University, Milwaukee, Wis.

KEHOE, THOMAS F(RANCIS). Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. curator anthrop, 68-, Milwaukee Public Museum, Milwaukee, Wis. 53233.

KEIRSTEAD, PROF. B(URTON) S(EELY). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof. econ, 70-, Dept. of Political Economy, University of Toronto, Toronto, Ont, Can.

KEITH, DR. JAMES A(UGUSTUS), b. Montgomery, Ala, June 30, 35. EDUCATIONAL PSYCHOLOGY, GUIDANCE. B.S. Troy State, 57; M.A, Alabama,
61, Ph.D.(ed. psychol), 64. Teacher, pub. schs, Ala, 57-60; asst. prof.
GUID. & COUNSELING, Rutgers, 64-65; ASSOC. PROF. SOUTH CAROLINA, 65- Dir. Higher Ed. Act Prof. Why Not Explore Rewarding Careers,
68-70. Consult. elem. guid, State Dept. Ed. S.C, 65-88. U.S.A.F. & Air
Nat. Guard, 57-63, S/Sgt. Psychol. Asn; Personnel & Guid. Asn. Vocational
career development; developmental vocational guidance films; elementary
school guidance; counselor characteristics; psychological characteristics of
athletes; psychological characteristic of physically active versus non-active
mature males. Publ: Exec. dir. producer & Why Not Explore Rewarding Careers dir, 12 Vocational guidance movies for college bound youth, S.C. Ed.
TV Network, 70; co-auth, Revising guidance practices; an integrative process, In: Perspectives in the education of disadvantaged children, World
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- Publ: The use of two projective drawing techniques as indices of masculinity and femininity with children of varying levels of intelligence, Univ. Pitts-burgh, 65; Implications for driver training for secondary educable retarded, Ann. Pa. Fedn. Coun. Except. Children, 68; Guidelines for aiding and understanding the educable mentally retarded child in Pennsylvania, Dept. Pub. Instr. & Dept. Spec. Ed, Millersville State Col. 1/68. Address: Dept. of Education and Psychology, Millersville State College, Millersville, Pa. 17551.
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- KHARE, DR. BRIJ B, b. Varanasi, India, Mar. 23, 34; U.S. citizen; m. 62: c. 1. POLITICAL SCIENCE. B.Sc, Agra, 53; D.J, Nagpur, 54; M.S. Toronto, 59; Curator's grant-in-aid, Missouri-Columbia, 62-64, M.A. 63, Ph.D. (polit. sci), 69; summer, fel, Michigan, 64. Subject matter specialist, Allahabad Agr. Inst, India, 54-56; res. asst, agr. econ. Toronto, 57-59; instr. POLIT. SCI, Southern Univ, 64-65; res. asst, Missouri-Columbia, 65-68; asst. prof. CALIF. STATE COL. SAN BERNARDINO, 68-70, ASSOC. PROF, 70- Res. & develop. adv, Indian Coop. Union, New Delhi, 56-68; vis. res. scholar, Panjab, India, summer 70. Consult, India Food Prod. Prog, Univ. Mo. Peace Corps Training Center, 66-67; commun. res. unit Mo. med. prog. Missouri-Columbia, 68- Polit. Sci. Asn. San. Asian Studies; Int. Polit. Sci. Asn. Contemporary political systems; methodology and empirical political theory; formulating paradigms for attitudes in developing nations; individual personality and orientations toward political objects. Publ: The attitudes of modernity in India, S. Chand, New Delhi, 70; The mathematical formulations of production functions, Indian J. Appl. Econ, 61; Social engineering in India, Authority in Crisis, 70. Address: 343 Country Club Lane, San Bernardino, Calif. 92404.
- KHAVARI, DR. KHALII. A, b. Tehran, Iran, Nov. 10, 32; U.S. citizen; m. 59; c. 2. PSYCHOLOGY. B.S., Bradley, 60, M.A., 63; Ph.D. (psychol), Indiana, 67. ASST. PROF. PSYCHOL, WISCONSIN-MILWAVIKEE, 67 AAAS: Psychol. Asn. Neurochemistry of learned and innate behaviors: direct chemical stimulation of brain in free-behaving animals. Publ: Co-auth, Acquisition, retention and extinction under conditions of water deprivation and of central cholinergic stimulation, 61: 339-345 & auth, Effects of central versus intraperitoneal D-amphetamine administration on learned behavior, 68: 226-234, J. Comp. & Phystol. Psychol; co-auth, Alropine and stropine methyl bromide effects on behavior of rats, int. J. Neuropharmacol, 6: 301-306. Address: 5368 N. Idlewild Ave, Milwaukee, Wis. 53217.
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- KIDDER, DR. DAVID ELWYN, b. Evergreen Park, Ill, June 17, 40; m. 62; c. 2. ECONOMICS. A.B. Swarthmore Col, 62; Chicago, 62-63; Ph.D. (con), Mass. Inst. Tech, 67. ASST. PROF. ECON, Morehouse Col, 67-69; NORTH-EASTERN, 69- Econ. Asn; Indust. Rels. Res. Asn; Int. Indust. Rels. Asn. Labor markets; economics of human resources; poverty; racial discrimination; economic exploration. Address: Dept. of Economics, Northeastern University, Boston, Mass. 02115.
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- KIEFER, DR. CHRISTIE WEBER, b. Bremerton, Wash, July 11, 37; m. 60; c. 3. ANTHROPOLOGY. A.B. California, Berkeley, 60, Nat. Inst. Ment. Health fel, 64-67, Ph.D. (anthrop), 68. Teaching assi. anthrop, California, Berkeley, 63-64; res. asst. anthrop. & Fascillaria, Berkeley, 63-64; res. asst. anthrop. & Fascillaria, Berkeley, 63-64; res. asst. anthrop. & FSPCIALIST ANTHROP, 68-Lectr, dept. psychiat, California, San Francisco, 69-; consult, Nat. Coun. Aging, D.C, 70-Anthrop. Asn, Geront. Soc; Japanese Sociol. Soc. Ethnology of Japan and the Far East; the Japanese in America; psychological and urban anthropology; anthropology of aging; interethnic relations in the United States, ethics in social science. Publ: The psychological interdependence of family, school and bureaucracy in Japan, Am. Anthropologist, 2/70 & Motivation for economic and social change in Japan, Rice Univ. Papers, 12/70; Intimacy in the Japanese city, In: Perspectives in urban anthropology, Free Press, 71. Address: 30 San Mateo Rd, Berkeley, Calif. 94707.
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- KIHLBERG, DR. JAAKKO K(USTAA). Biostatistics, Epidemiology. See 11th ed, Soc. & Behav. Vols, deceased 69.
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- KIM, DR. HI-SOO. Pathology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- KIM, DR. ILPYONG JOHN, b. Seoul, Korea, Aug. 15, 31; U.S. citizen; m. 63; c. 2. POLITICAL SCIENCE. B.A. Asbury Col. 57; M.A. Columbia, 62, Ph.D. (polit, sci), 68. Lectr. POLIT. SCI, Indiana, 65-67, asst. prof, 68-69; ASSOC. PROF, CONNECTICUT, 70- U.S.A, 50-53, Capt. Polit. Sci. Asn. Bureaucracy and organization theory in developing countries. Publ: North Korea's Fourth Party Congress, Pac. Affairs, 62; Judicial and administrative structure in Korea, China Quart, 63; Mass mobilization policy in China, Chinese Polit. in Action, 69. Address: Dept. of Political Science, University of Connecticut, Storrs, Conn. 06268.
- KIM, DR. JOUNGWON ALEXANDER, b. Seoul, Korea, Dec. 13, 37; m. 60; c. 1. POLITICAL SCIENCE. B.S. Columbia, 62; M.A. Hopkins, 65, Ph.D. (int. rels), 67. Res. asst, brookings inst, 63-64; Wash. Center For, Policy Res, 64-65; Asia res. analyst, Libr. Cong, 66-67; asst, prof. polit. sci, Hobart & William Smith Col, 67-68; ASSOC. PROF. GOVT. & POLIT, FINCH COL, 68- Res. assoc, Res. Inst. Modern Asia, Hunter Col, 66- Consult, Center Res. Soc. Systs, American Univ, 66; sr. res. fel, Res. Inst. Communist, Affairs, Columbia, 70- Polit. Sci. Asn; Asn. Asian Studies; Int. Studies Asn. Political development, especially in East Asia, theory of pre-development stages and application in case studies drawn from East Asia. Publ: North Korea's new oftensive, Por. Affairs, 10/69; Soviet policy in North Korea, World Polit, 1/70; Korean kundaehwa: the military as modernizer, J. Comp. Admin, 11/70. Address: Research Institute on Communist Affairs, Columbia University, New York, N.Y. 10025.
- KIM, DR. SAMUEL S. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Naturalized U.S. citizen, 69. Assoc. prof. govt, 6, pept. of Political Science, Monmouth College, West Long Branch, N.J. 07764.
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- KIM, DR. YUN, b. Kyungnam, Korea, July 28, 34; m. 63; c. 3. DEMOGRAPHY, SOCIOLOGY. B.A. Seoul, 58; Demog. Training & Res. Center, 59-60; Princeton, 61-62; M.S. Pennsylvania, 63; scholar, Australian Nat. Univ, 63-66, Ph.D.(demog), 67: Admin. asst. & asst. statistician, Econ. Planning Bd, Seoul, Korea, 57-61; res. assoc. demog, Inst. Demog. Res, Seoul, 61-65; asst. prol. DEMOG. & SOCIOL, UTAH STATE, 66-69, ASSOC. PROF, 69- Dir, Nat. Sci. Found. summer inst. pop. studies, Utah State, 69, 70. AAAS; Pop. Asst; Sciol. Assr. int. Pop. Union. Study of the population of the Navajo; study of the population of Korea. Publ: Some demographic measurements for Korea based on quasi-stable population theory, Demography, 8/65; Age at marriage and the trend of fertility in Korea, UN World Pop. Conf. 65; co-auth, The estimation of intercensal migration from birth-residence statistics: a study of data for the United States, 1950 and 1860, Pop. Studies Center, Univ. Pa. Address: Dept. of Sociology, Utah State University, Logan, Utah 84321.
- KIMBALL, DR. CHASE PATTERSON. Psychiatry, Internal Medicine. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- KIMBALL, DR. LORENZO KENT, b. Manti, Utah, June 16, 22; m. 43; c. 2. POLITICAL SCIENCE. B.S. Utah, 63, Ph.D, 68. ASST. PROF. POLIT. SCI, UTAH, 67. Med.Serv.C, U.S.A.F, 41-62, Lt. Col. Polit. Sci. Asan, Acad. Polit. Sci. Address: Dept. of Political Science, University of Utah, Salt Lake City, Utah 44112.
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- KINCAID, DR. HARRY V. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prog. dir. ed, 69-, Stanford Research Institute, 333 Ravenswood Ave, Menlo Park, Calif. 94025.
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 C.E.-L.R. Inc, 60-61; WESTAT RES, DC, 61-63; EXEC. V.PRES, 63. Mem.
 panel shipboard manpower, Maritime Transporation Res. Bd, Nat. Acad. Sci,
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 Asn; Inst. Mgt. Sci. Consulting and research in design and evaluation of information systems applied to document retrieval and marketing information
 systems; consulting in statistics, operations research and marketing research. Publ: Co.-ed, Time sharing innovations for ORI decision-making,
 Wash. Opers. Res. Coun. 69; co-auth. Evaluation of bibliographic products
 and services, Info. Resources, 70 & Alternatives to scientific and technical
 journal articles, CFSTI, 70. Address: 7979 Old Georgetown Rd, Bethesda,
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- KINTSCH, PROF. WALTER, b. Temeschwar, Rumania, May 30, 32; m. 59, EXPERIMENTAL PSYCHOLOCY. Fulbright scholar, Kansas, 55-56, M.A, 56, Ph.D, 60. Asst. exp. psychoi, Kansas, 57-60; U.S. Pub. Health Serv. res. lel, Indiana, 60-61; asst. prof. PSYCHOL, Missouri-Columbia, 61-64; assoc. prof. 64-65; California, Riverside, 65-67; vis. prof. Stanford, 67-68; PROF, COLORADO, 68- Psychol. Ass; Psychonomic Soc. Mathematical models of memory and learning. Publ. Learning, memory and conceptual behavior, Wiley, 70. Address: Dept. of Psychology, University of Colorado, Boulder, Colo. 630-70.
- KINTZ, DR. ROBERT. Physiological Optics, Vision. See 12th ed, Phys. & Biol. Vols.
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- KIRK, DR. PAUL L(TVINGSTON), b. Stockton, Calif. May 19, 27; m. 50, 68; c. 4. ANTHROPOLOGY, LINGUISTICS. B.A. Lewis & Clark Co., 52; Nat. Defense Ed. Act fels, Washington (Seattle), 60-63 & 65, M.A., 62, Ph.D. (ling), 66. Field researcher ling, & anthrop, Summer Inst. Ling, 53-67; asst. prof. ANTHROP, SAN FERNANDO VALLEY STATE COL, 67-70, ASSOC. PROF. & CHNIN. DEPT, 70-, acting chmm. dept, 69-70. Am. Philos. Soc. grant, 69. U.S.N., 45-46. Ling, Soc. Am; fel. Am. Anthrop. Asn; Int. Ling, Asn. Synchronic and diachronic linguistics; dialectology; kinship systems; Meso-America. Publ. Mana xuju, Instituto Linguistics de Verano, 61; A note on morphemic fusion and empty morphs, Studies in Ling, 14:7-9; Social vs consanguineal distance as reflected by Mazatec kinship terminology, In: Suma anthropologica en istoria, 66. Address: Dept. of Anthropology, San Fernando State College, 18111 Nordhoff St, Northridge, Calif. 91324.
- KIRK, DR. WILLIAM EDMUND, b. Martins Ferry, Ohio, Jan. 22, 37; m. 59; c. 4. EXPERIMENTAL PSYCHOLOGY. B.S, Marietta Col, 59; M.S, Ohio, 66; Ph.D. (bsychol), 69. Teacher, Caldwell Exempted Village High Sch, 59-60; Avon Lake High Sch, 60-63; res. asst. statist. for Paul A. Games, Ohio Univ, 63-64; fel. PSYCHOL, Ohio, 65-66; ASSOC. PROF, SLIPPERY ROCK STATE COL, 67- Asst. prof, St. Lawrence Univ, summer, 65. U.S.A.F.R, 55-63. AAAS. Temporal conditioning; habituation; the orienting response using the human Galvanic Skin Response as a measure. Address: Dept. of Psychology, Slippery Rock State College, Slippery Rock, Pa. 16057.
- KIRKENDALL, DR. LESTER A(LLEN). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, Oregon State; res. & writing. Address: 12601 S.E. River Rd. Apt. 321, Portland, Ore. 97222.
- KIRKHART, DR. ROBERT OLIN. Clinical & Social Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1557 Middleton Rd, Hudson, Ohio 44236.
- KIRKPATRICK, PROF. CLIFFORD. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Correction in address: Route 12, Bender Rd, Bloomington, Ind. 47401.
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- KIRSCH, DR. LEONARD J, b. Pittsburgh, Pa, July 6, 34; m. 61; c. 1. ECONOMICS. B.A, Pittsburgh, 56; Ford Found, fel, Harvard, 56-38, M.A, 58,
 univ. fel, 58-59, Ph.D.(econ), 67; Harvard traveling fel, Moscow State, 6061. Instr. ECON, Simmons Col, 65-67; ASST. PROF, MASSACHUSETTS,
 BOSTON, 67 Assoc, Russian Res. Center, Harvard, 67 Consult, int. dept,
 United Auto Workers, 67 Econ. Asn; Asn. Study Soviet-Type Econ. Soviet
 economics; macro-economic theory; labor economics. Publi: Co-auth, Applied principles of economics, McGraw, 68; co-ed, Planning the standard
 of living according to consumption norms, Int. Arts & Sci, 69. Address:
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- KISTLER, DR. RICHARD EDWIN, b. Ludington, Mich, June 20, 31; m. 59.
 MANAGEMENT SCIENCE. B.A, Lewis & Clark Col, 52; M.Ed. Portland,
 56; Ford Found, grant, Stanford, 59-61, Eastman Kodak grant, 61-62, Ph.D.
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 math, Stanford, 61-62; opers. res. analyst, U.S. NAVAL WEAPONS CENTER,
 62-66, SUPVRY. OPERS. RES. ANALYST, 66- Instr. China Lake Exten,
 Univ. Southern California, 68- U.S. Naval Weapons Center fel. mgt. award,
 67. Sci. Res. Soc. Am. Present value analysis; cost-effectiveness analysis
 of military systems; studies of antisubmarine tactics; studies of Fleet Air
 Defense procedures employing the methods of operations research and
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- KIVLIN, DR. JOSEPH E(DWARD), b. Readville, Mass, Apr. 18, 21; m. 42; c. 2. SOCIOLOGY, B.S, Vermont, 55; M.S, Pa. State, 57, Ph.D.(rural sociol), 60. Instr. sociol, 60. Instr. sociol, 7a. State, 60-61, res. consult, rural sociol, summer 66; from instr. to assoc. prof, Heidelberg Col, 61-65; assoc. prof. commun. & dir. for India, Mich. State Univ-Agency Int. Develop-Nat. Inst. Community Develop. Diffusion of Innovations Proj, Mich. State, 66-68; ASSOC. PROF. SOCIOL, BOWLING GREEN STATE, 67- Sociol. Asn; Rural Sociol. Soc; Nat. Coun. Family Rels. Diffusion of innovations. Publ: Coauth, Agricultural innovation in India villages, Agricultural innovation among Indian farmers & Communication in India: experiments in Introducing change, Nat. Inst. Community Develop, 68. Address: Dept. of Sociology, Bowling Green State University, Bowling Green, Ohio 43402.
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- KLARMAN, PROF. HERBERT E(LIAS). Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Prof. State Univ. N.Y. Downstate Med. Center, 69- Address: 310 Beverly Rd, Brooklyn, N.Y. 11218.
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- KLAYMAN, DR. MAXWELL IRVING, b. Boston, Mass, Apr. 30, 17; m. 50; c. 3. ECONOMICS, ECONOMIC DEVELOPMENT. B.S, Massachusetts, 38; M.S, Iowa State, 41; M.A, Harvard, 51, Ph.D. Iecon), 68. ECONOMIST, surplus commodities mkt. progs, bur. agr. econ, U.S. Dept. Agr, 39-41, bur. labor statists, U.S. Dept. Labor, 46-48, bur. agr. econ, U.S. Dept. Agr, 49-10.

- 51; Food & Agr. Orgn. UN, Rome, Italy, 51-62; Cali, Colombia, 62-64; grad, sch. pub. & int. affairs, Univ. Pittsburgh, 65-87; Maryland, 67-68; STATE UNIV. N.Y. COL. NEW PALTZ, 68. Consult, Inter-Am. Develop: Bank, 68. U.S.A, 41-46, 1st Lt. Soc. Int. Develop: Econ. Asn; Agr. Econ. Asn. Publ: The Moshav in Israel, Praeger, 69; Data needs for agricultural sector and project analyses, Inter-Am. Develop. Bank, 70; Index numbers of agricultural production, Agr. Econ. & Statist, 3/61. Address: 5 Ulster Rd, New Paltz, N.Y. 12561.
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- KLEE, DR. JAMES B(UTT). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Vis. prof. West Ga. Col, 69-70- Address: 151 Cunningham Dr, Carrollton, Ga. 30117.
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- KLEIN, DR. BERNARD. Modern & Jewish History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- KLEIN, PROF. BURTON H, b. Oct. 16, 17; U.S. citizen; m. 55; c. 3. ECONOM ICS. B.S, Harvard, 40, Ph.D. (econ.) 48. Staff economist, Coun. Econ. Adv, 48-52; Rand Corp, 52-61; head dept. econ. CALIF. INST. TECH, 61-65, PROF, 65-Lectr. Harvard, 61; Hebrew Univ. Jerusalem, 65; consult, Coun. Econ. Adv. Econ. Asn. Factors affecting the entropy of public and private organizations; the relationship between the characteristics of organizations and the societies to which they belong. Publ: Germany's preparations for war, Harvard, 58; The decision-making problem in development, Nat. Bur. Econ. Res. 61; co-auth. Behavior of military industrial complex, Twentieth Century Pund, 70. Address: Dept. of Economics, California Institute of Technology, 1201 E. California Blvd, Pasadena, Calif. 91108.
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- KLEIN, DR. E(DWARD) LAWRENCE. Forestry, Forest Products Marketing. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- KLEIN, DR. MARJORIE H, b. Milwaukee, Wis, Sept. 13, 33; m. 56; c. 2. PSYCHOLOGY. B.A, Wellesley Col., 55; M.A., 57; U.S. Pub. Health Serv. fel, Harvard, 59-61, Ph.D. (soc. psychol), 64. Lab ass. PSYCHOLO, Wellesley Col., 55.57; res. asst, Nat. Inst. Ment. Health, 57-59; proj. asst, WIS. PSY-CHAT. NIST, MED. CENTER, WISCONSIN, 61-64, Nat. Inst. Ment. Health res. fels, 64-65 & 66-67, RES. ASSOC, 67- Psychol. Asn. Social psychology; psychotherapy research; foreign student adaptation; content analysis; personality. Publ.: Co-auth, The therapeutic relationship and its impact: a study of psychotherapy with schizophrenics, Univ. Wisconsin, Madison, 67; auth, Compliance, Consistent conformity and personality J. Personality & Soc. Psychol, 5: 239-245; oc-auth, Behavior therapy: observations and reflections, J. Consult. & Clin. Psychol., 33: 259-266. Address: Wisconsin Psychiatric Institute, University of Wisconsin Medical Center, 1300 University Ave, Madison, Wis. 53706.
- KLEIN, DR. MORRIS M(OSHE), b. Rumania, Jan. 29, 23; U.S. citizen; m. 53; c. 2. PSYCHOLOGY. B.A, Yeshiva Col, 44; Ph.D. (psychol), Yeshiva, 61. Intern psychologist, Bellevue Psychiat. Hosp, New York, N.Y, 60-61; sr. clin, psychologist, Hudson River State Hosp, 61-63; CHIEF PSYCHOLOGIST, BRONX STATE HOSP, 63-, ASST. CLIN. PROF. PSYCHIAT, ALBERT EIN-STEIN COL. MED, 67- Consult, psychologist, S.Shore Child Guid. Center, 63-68; adj. asst. prof. Fordham Univ, 64- Psychol. Asn. Cognitive functions of authoritarianism and dogmatism voting competence and mental illness. Address: Pept. of Psychiatry, Albert Einstein College of Medicine, Yeshiva University, Bronx, N.Y. 10461.
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- KLEPPNER, DR. PAUL. Modern American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- KLINE, ROBERT REEVES. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV. Philos, Relig. & Law.
- KLINGAMAN, DR. DAVID C, b. Sharon, Pa, June 14, 34; m. 56; c. 1. ECO-NOMICS, ECONOMIC HISTORY. B.S, Kent State, 56; M.A, 64; Ph.D. (econ), Virginia, 67. Time study & methods engr, Firestone Tire & Rubber Co, 56-59; registered rep, Merrill, Turben & Co, 59-60; sr. salesman, Addressograph-Multigraph Corp, 60-63; ASSOC. PROF. ECON, OHIO, 67- U.S.A.R, 56-64, Capt. Econ. Ass. Econ. Hist. Asn. American economic history, particularly colonial economic history, monetary theory and policy. Publ: The development of the coastwise trade of Virginia, Va. Mag. Hist. & Biography, 1/69, The significance of grain in the development of the tobacco colonies, J. Econ. Hist, 6/69 & On affluence and economic conflict, Am. J. Econ. & Sociol, 1/70. Address: Dept. of Economics, Ohio University, Athens, Ohio 45701.
- KLINGHAMMER, DR. ERICH. Ethology, Behavioral Science. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position & address: Assoc. prof, 68-, Dept. of Psychology, Purdue University, Lafayette, Ind. 47907.
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- KLOTZ, DR. JEROME H. Statistics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, Dept. of Statistics, University of Wisconsin, 1210 W. Dayton St, Madison, Wis. 53706.
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- KMENTA, PROF. JAN, b. Czech, Jan. 3, 28; U.S. citizen; m. 59; c. 2. ECONOMICS. B.S.Econ, Sydney, 55; M.A, Stanford, 59, Ph.D. (econ), 64. Lectr.
 ECON, New South Wales, 57-60; Sydney, 60-62, sr. lectr, 62-63; acting asst.
 prof. Stanford, 62-63; res. assoc, soc. systs. res. inst, Wisconsin, 63-64,
 asst. prof, univ, 64-65; assoc, prof, MICHIGAN STATE, 65-68, PROF, 68Econ. Asn; Statist. Asn, Economet. Soc. Econometrics. Publ: Elements of
 econometrics, Macmillan, 70; An econometric model of Australia, 1948-61,
 Australian Econ. Papers, 12/66; On estimation of the CES production function, Int. Econ. Rev, 6/67. Address: Dept. of Economics, Michigan State
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- KNAPP, DR. PEARL G(ILLILAND). Psychology. See BRISCOE, DR. PEARL KNAPP, this Suppl.
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- KNEHR, PROF. CHARLES A(NTHONY). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Correction: From asst. prof. to prof., 49-, chmn. dept. psychol, 68-, Lehman College, City University of New York, Bedford Park Blvd. W, New York, N.Y. 10468.
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- KNETSCH, DR. JACK LOUIS. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also prof. econ, 67-, Natural Resources Policy Center, George Washington University, 810 Henry Bldg, Washington, D.C. 2006.
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- KNIGHT, DR. THOMAS JOSEPH. Modern European History. See 5th ed, Dir. Am. Scholars, Vol. I, History.
- KNITTEL, DR. MARVIN. Psychology, Education. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also head, 69-, Dept. of Counseling & Educational Psychology, Kearney, State College, Kearney, Nebr. 68847.
- KNOPP, DR. WALTER. Psychiatry. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
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- KNOWLTON, DR. JAMES Q(UINCY). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. ed, 88-, Audio-Visual Communications Center, Indiana University, Bloomington, Ind. 47401.
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- KNOX, DR. WILLIAM ELLIOTT, b. New York, N.Y, Nov. 30, 30; m. 54; c. 3. SOCIOLOGY B.A, Colgate, 55; Woodrow Wilson fel. & Ph.D. (sociol), Cornell, 65. Instr. SOCIOL, NORTH CAROLINA, GREENSBORO, 63–65, ASST. PROF, 65- U.S.A.F, 60-63, 1st Lt. Sociol. Asn. Social organization; social psychology and socialization; sociology of the family; evaluation of educational, therapeutic, and correctional institutions; survey analysis. Publ: Solidarity, interaction and activities of older parents and children in an urban industrial context, Proc. Int. Gerontol. Cong. 66; The structural bases of address and reference in a bounded setting, Sociol, Quart, 69; coauth, A discontinuity in the socialization of males in the contemporary United States, Merrill-Palmer Quart, 70. Address: Dept. of Sociology, University of North Carolina at Greensboro, Greensboro, N.C. 27412.
- KNUDSEN, DR. ROBERT DONALD. Philosophy, Theology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- KNUDSEN, PROF. WILLIAM J, JR. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- KNUDSON, DR. DOUGLAS MARVIN. Forest Economics, Silviculture. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- KNUDTEN, DR. RICHARD D. Sociology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. & chmn, Dept. of Sociology, Valparaiso University, Valparaiso, Ind. 46383.
- KNUSEL, DR. JACK L (EONARD), b. Milwaukee, Wis, Dec. 22, 23; m; c. 2. ECONOMICS. B.B.A, Spencerian Col, 48; B.A, Denver, 51, M.A, 52; Inst. Int. Ed. 1el, Swiss Sch. Soc. Sci. & Econ, 52-53; univ. fel, Colorado, 63-65, Ph.D. (econ), 65. Instr., pub. schs, Wis, 53-56; ECON, Wisconsin-Milwaukee, 65-68; Milwaukee Tech. Col, 58-69; asst. prof, Northwest Mo. State Col, 60-63; teaching assoc, Colorado, 63-65; ASSOC. PROF, WIS. STATE, WHITEWATER, 65- U.S.A.A.F, 43-46. Econ. Asn. International economics; economic development; regional economics. Publ: West German aid to developing nations, Praeger, 68. Address: Dept. of Economics, Wisconsin State University, Whitewater, Wis. 53190.
- KNYSH, DR. GEORGE DEMETRIUS, b. Cracow, Poland, Oct. 8, 40; Can. citizen. POLITICAL SCIENCE, HISTORY. B.A, Manitoba, 59, D.V. Snider Mem. fel. & M.A, 62; Ph.D. (polit. scl.), London, 68. Lectr. POLIT. SCI,

- MANITOBA, 64-67, asst. prof. 67-70, ASSOC. PROF. 70- Can. Coun. leave fel. 70-71. Can. Polit. Sci. Asn. Methodology of politico-historical sciences; philosophy and history of political thought, with special interest in medieval, modern and twentieth century developments; political doctrines of historical East European state formations. Address: 500 Dysart Rd, Ft. Garry 19, Winnipeg, Man, Can.
- KOBAYASHI, DR. TERUO. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Political Science, Elmira College, Elmira, N.Y. 14901.
- KOCH, DR. JAMES VERCH, b. Springfield, Ill, Oct. 7, 42; m. 67. ECONOM-ICS. B.A, Illinois State, 64; Ph.D.(econ), Northwestern, 68. Res. economist, Harris Bank, Chicago, Ill, 66; ASST. PROF. ECON. ILLINOIS STATE, 67-Econ. Asn; Statist. Asn. Market structure and industry growth rates; economic analysis of drug law enforcement. Publ: The homogeneity assumption and financial asset demand functions, Quart. Rev. Econ. & Bus, winter 69; A critique of positive economics, J. Econ. & Sociol, spring 70; Another look at price discrimination in an imperfect world, Miss. Valley Rev. Econ. & Bus, 670. Address: Dept. of Economics, Illinois State University, Normal, Ill. 61761.
- KOCHMAN, DR. THOMAS MICHAEL. Anthropological Linguistics. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.
- KOECHEL, DR. JOHN WILLIAM, b. Sturgis, Mich, Aug. 7, 36; m. INDUSTRIAL & CLINICAL PSYCHOLOGY. B.A, Antioch Col, 59; M.A, Vanderbilt, 61; Ph.D, Mouston, 64. Chmn. detp. psychol, Moorhead State Col, 64-66; sr. exec, Kemper Ins. Co, Chicago, Ill, 66-88; CHMN. DEPT. MGT, LOYOLA (ILL.), 68. Psychol. Asn. Personnel selection and training. Address: Dept. of Management, Loyola University, 820 N. Michigan, Chicago, Ill. 60011.
- KOENIG, DR. LINDA MIRIN, b. New York, N.Y, Feb. 22, 39; m. 68. ECONOMICS, POLITICAL SCIENCE. B.A, Radcliffe Col, 59; Ph.D. (econ. & polit. sci), Harvard, 64. ECONOMIST, Inter-Am. Develop. Bank, 64-67; INT. MONETARY FUND, 67- Econ. Asn. Polit. Sci. Asn. Economic policy, especially development and political processes; regional specialization: Latin America. Address: 7604 Glennon Drive, Bethesda, Md. 20034.
- KOEPPEL, DR. JOHN C. Experimental Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- KOEPPEN, PROF. DONALD B, b. Walworth, Wis, Jan. 26, 22; m. 50; c. 4. BUSINESS ADMINISTRATION. B.E, Wisconsin State-Whitewater, 50; M.S, Wisconsin, Madison, 54, Ph.D. (bus. ed.), 66. Teacher pub. schs, Wis, 50-56; asst. prof. BUS. ED, Wisconsin State-Whitewater, 56-61, PROF. & CHIM. DEPT, 61-67; MONTANA, 67 U.S.A.A.F., 44-45, 1st. L. Voc. Asn; Nat. Bus. Ed. Asn; Nat. Asn. Bus. Teacher Ed; Data Processing Mgt. Asn. Vocational business education programs. Address: Dept. of Business Education, University of Montana, Missoula, Mont. 58901.
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- KOHL, DR. SEENA B, b. New York, N.Y, May 24, 30; m. 50; c. 4. CULTURAL ANTHROPOLOGY. B.A, San Francisco State Col, 56; M.A, Washington (St. Louis), 64, Nat. Inst. Ment. Health grant, 64-66, Ph.D. (anthrop), 69. Instr. ANTHROP, WEBSTER COL, 66-68, ASST. PROF, 68. Dept. Health, Ed. & Welfare grant for summer seminar in Southeast Asia, summer 69. Anthrop. Asn; Ethnol. Soc. Relationship between family dynamics and kinship to economic development and entrepreneurial behavior; impact of social structural constraints upon learning. Publ: Co-auth, Two memoranda on social organization and adaptive selection in a northern plains region, Plains Anthropologist, 63 & Kinship, succession and migration of young people in a Canadian agricultural community, Int. J. Comp. Sociol, 65. Address: Dept. of Social & Behavioral Sciences, Webster College, St. Louis, Mo. 63119.
- KOHLAN, DR. RICHARD GEORGE, b. Minneapolis, Minn, Oct. 5, 38; m. 60; c. 2. PSYCHOLOGY. Ph.D. (psychol), Minnesota, 66. Asst. prof. psychol, Calif. State Polytech. Col, 66-69; ASST. PROG. DIR. VOC.-TECH. PROJS, ED. TESTTNG SERV, 69- Ed. consult, New Scholar, 69-70. U.S.N, 56-58. Psychol. Ass.; Personnel & Guid. Ass.; Ed. Res. Asn. Education and society, teaching and learning. Publ. Relationships between inventoried interests and inventoried needs, Personnel & Guid. J, 68; co-auth, The tranquil society or why LSD?, Teachers Col. Record, 69; auth, Be real, Opus, 69. Address: Educational Testing Service, Princeton, N.J. 08540.
- KOHLENBERG, DR. ROBERT J, b. Milwaukee, Wis, May 11, 37; m. 57; c. 3. PSYCHOLOGY. B.S, Milwaukee Sch. Eng, 61; M.S, Wisconsin-Milwaukee, 63; Ph.D. (psychol), California, Los Angeles, 68. ASST. PROF. PSYCHOL, WASHINGTON (SEATTLE), 68. Psychologist, Firerest Sch, summer 69. Psychol. Asn; Inst. Elec. & Electronics Eng. Behavior modification; psychophysiology; psychopharmacology, Publ; Recovery of a conditioned emotional response after electroconvulsive shock, J. Comp. & Physiol. Psychol, 68. Address: Dept. of Psychology, University of Washington, Seattle, Wash. 98105.

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- KOKAT, DR. ROBERT GEORGE. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: International Business Machines Corp, 6400 Goldsboro Rd, Washington, D.C. 20034.
- KOLASA, DR. BERNARD DANIEL, b. Erie, Pa, Apr. 21, 38; POLITICAL SCI-ENCE. B.A, Gannon Col, 60; M.A. Nebraska, 62, Ph.D.(polit. sci), 69.
 ASST, PROF, POLIT. SCI, NEBRASKA, OMAHA, 68. U.S. AR, 64-66, Capt.
 Polit. Sci. Asn. Acad. Polit. & Soc. Sci. American legislative process,
 especially on state level from a comparative perspective. Publ. Churches
 feel tax squeeze, America, 8/64; Interstate compact and congress: the New
 York Port Authority case, In: Grass roots: readings in state and local government, Scott, 68; Nebraska: government and history, In: American Peoples
 Encyclopedia, Grolier, rev. ed, 70. Address: Dept. of Political Science, University of Nebraska at Omaha, Omaha, Nebr. 68101.
- KOLB, DR. DAVID ALLEN, b. Moline, III, Dec. 12, 39. SOCIAL PSYCHOL-OGY. A.B., Knox Col, 61; M.A., Harvard, 64, Ph.D. (soc. psychol), 67. Asst. prof. ORGN. PSYCHOL. & MGT, MASS. INST. TECH, 65-70, ASSCC. PROF. 70- Psychol. Asn. Individual and social change; organization development. Publ: Co-auth, Organizational psychology: an experiential approach. Prentice-Hall, 70; Goal-setting and self-directed behavior change, Human Rels, 69; On the dynamics of the helping relationship, J. Appl. Behav. Sci. 70. Address: E52-588, Massachusetts Institute of Technology, 50 Memorial Dr., Cambridge, Mass. 02139.
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- KOLE, DR. THEODORE. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Pres, Elisar Res. Corp. New York, 69- Address: 4 Grover Terr, Glen Rock, N.J. 07452.
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- KOLKOWICZ, PROF. ROMAN, b. Poland, Nov. 15, 29; U.S. citizen: m. 55; c. 3. POLITICAL SCIENCE. B.A, Buffalo, 54; M.A, Chicago, 58, Ph.D. (polit. sci), 65. Lectr. Russian hist, Chicago, 57-59; instr. govt. Chicago City Jr. Col, 59-61; staff mem, Rand Corp, 61-66; sr. res. assoc, Inst. Defense Anal, 66-70; PROF. POLIT. SCI, CALIFORNIA, LOS ANGELES, 70- Vis. prof. George Washington, 58-69; City Univ. New York, 66-67; Virginia, 67-68. Consult, Coun. For. Rels, 69-70. U.S.A, 54-56. Polit. Sci. Asn; Acad. Soc. Sci; Int. Studies Asn. International organizations and systems; comparative politics; political sociology; Soviet and East European politics; strategy and conflict theories. Publ: The Soviet military and Communist party, 67 & co. auth, Interests groups in Soviet politics; 70. Princeton Univ; auth, The Soviet Union and arms control: a dilemma of superpower, Johns Hopkins, 70. Address: Dept. of Political Science, University of California, Los Angeles, Calif. 90032.
- KOLLER, PROF. E(RNST) FRANK. Geography. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position & address: Prof. 69-, Dept. of Geography. Fresno Estate College, Fresno, Call. 93726.
- KOMARYNSKY, DR. JAROSLAW, b. Mykhajlivka, Ukraine, Jan. 25, 20; U.S. citizen; m. 60; c. 2. FINANCE. B.S. Ukrainian Tech. Univ. 49; LaSalle Exten. Univ, 49-157; M.B.A., Mich. State, 60; P.D. Di(inance), Illinois, 67. Security analyst, Continental III. Nat. Bank & Trust Co. Chicago, 60-63; asst. prof. FINANCE, Toledo, 66-69; ASSOC. PROF, NORTHERN ILLINOIS, 69-Econ. Asn; Finance Asn. Investment theory and management; financial leverage and the rate of return on common equity; conglomerates; stockholders and public interests; investment experience of commercial bank common stocks in the 1960's. Address: Dept. of Finance, Northern Illinois University, DeKalb, III. 60115.
- KOMISARUK, DR. BARRY R. Neurophysiology. See 12th ed, Phys. & Biol. Vols.
- KONIETZKO, DR. KURT OTTO. Psychology, Penology. See A-K Vol., 11th ed, Soc. & Behav. Vols. New position: Dir, Inst. For Living, Inc, 70dress: 117 Spring Lane, Hatboro, Pa. 19040.
- KONIGSBURG, DR. DAVID. Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Dir. personnel & planning, Prudential Ins. Co, 69- Address: 9424 Conifer Rd, Jacksonville, Fla. 32217.
- KONTOS, PETER GEORGE. History. See 5th ed, Dir. Am. Scholars, Vol. I,
- KOO, DR. SHOU ENG. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 4130 N. Riley Ave, Indianapolis, Ind. 46226.
- KOOI, DR. BEVERLY YVONNE, b. Port Arthur, Tex, Jan. 24, 32; m. 53; c. 3. EDUCATIONAL PSYCHOLOGY. B.A. Colorado, 56, M.A., 61; Ph.D. (ed. psychol), Arizona State, 66. Teacher, pub. schs, 57-61; RES. SCIENTIST ED. TECH, SYST. DEVELOP. CORP, 66- Lectr, California, Los Angeles, summer 68. W.A.V.E.S. U.S.N. 52-53. Psychol. Asn; Ed. Res. Asn; Nat. Coun. Measurement in Ed. Applications of computers to education; development of effective instructional materials and procedures; implementing individualized instruction. Publ: Co-auth, Spelling errors and the serial position ef-

- fect, J. Ed. Psychol, 12/65, An instructional management system for classroom teachers, Elem. Sch. J. 4/69 & The teacher's role in computerassisted instructional management, Ed. Tech, 3/70. Address: 1061 Palisair Place, Pacific Palisades, Calif. 90272.
- KOONCE, DR. KENNETH LOWELL. Experimental Statistics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- KOONTZ, PROF. DONALD H. Sociology. See A.-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also Asst. to pres. for spec. progs, Simpson Col, 69- Address: 1009 Ann Pkwy, Indianola, Iowa 50125.
- KOPLIN, DR. ROBERTA E. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 68-, Dept. of Political Science, University of Alberta, Edmonton 7, Alta.
- KOPLYAY, DR. JANOS B. v. Psychology, Computer Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Res. psychologist & chief statist. & computer tech. sect, 68- HRL-HRPMS, U.S. Air Force Systems Command, Lackland Air Force Base, Tex. 78236.
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- KOPPENAAL, DR. RICHARD J(OHN). Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmm, 69-, Dept. of Psychology, Washington Square College, New York University, New York, N.Y. 10003.
- KOPROWSKI, DR. EUGENE JOSEPH, b. Chicago, Ill, Aug. 28, 30; div; c. 3. PSYCHOLOGY. B.S, Wisconsin, 52; M.A, Denver, 53, Ph.D.(psychol), 63. Mgr. personnel & labor rels, Nat. Farmers Union, 54-63; mgt. consult, McMurry Co, 63-64; corp. dir. manpower planning & develop, Kaiser Aluminum & Chem. Corp, 64-66; asst. prof. mgt. & orgn, COLORADO, 66-68, ASSOC. PROF. MGT. & ORGN. & ASSOC. DEAN SCH. BUS, 68- Psychol. Asn; Acad. Mgt. Organizational development; creativity; social change. Publ: A dynamic role-centered approach for development of a generic baccalaureate curriculum in the helping services, In: Undergraduate education and manpower utilization in the helping services, West. Interstate Cmn. Higher Ed, 67; Toward innovative leadership, Bus. Horizons, winter 67 & Cybernetics and the death of God: new dimensions in decision making, Mgt. of Personnel Quart, winter 68. Address: Dept. of Management and Organization, University of Colorado School of Business, Boulder, Colo. 80302.
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- KORBEL, DR. SUSAN F(RANCES). Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: U.S. Pub. Health Serv. grant, 68-70; assoc. prof, 69-, Dept. of Psychology, University of Arkansas, Fayette
- KORENBAUM, DR. MYRTLE, b. Central Falls, R.I., Mar. 24, 15. SOCIOL-OCY. A.B., Brown, 53, M.A., 55; Sorbonne, 55-57; Ecole Pratique des Hautes Etudes, Paris, 55-57; Harvard, summer 58; Colorado, summer 63; Ph.D. (sociol), Minnesota, 66. Instr. SOCIOL, Allegheny Col. 57-59; asst. prof, Wis. State, River Falls, 61-63; Northern Illinois, 63-64; Ill. Teachers Col. Chicago-North, 65-67; ASSOC. PROF, Bridgeport, 67-70; WRIGHT STATE, 70- Univ. Iaculty senset grant, Bridgeport, 68-69. AAAS; Sociol. Asn; Soc. Study Social Probs. Role theory; theoretical sociology; complex organization; industrial sociology public Ed. & co-transl, Georges Gurvitch, the spectrum of social time, D. Reidel Pub, Holland, 64. Address: Dept. of Sociology, Wright State University, Dayton, Ohio 49421.
- $\ensuremath{\mathsf{KOREY}}, \ensuremath{\mathsf{DR}}.$ WILLIAM. Modern History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- KORNBERG, PROF. ALLAN. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Dept. of Political Science, Duke University, Durham, N.C. 27706.
- KOROBOW, DR. N(ORMAN). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Independent consult, 68- Address: 1655 Flatbush Ave, Brooklyn, N.Y. 11210.
- KOROTKIN, DR. ARTHUR L(EWIS). Experimental Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. dir. Wash. Off, Am. Insts. Res. Address: 7 Leonard Court, Rockville, Md. 20850.
- KORTE, DR. CHARLES DAVIS, b. Beliefonte, Pa, May 7, 43; m. 65; c. 1. SOCIAL PSYCHOLOGY. A.B. Miami (Ohio), 65; Nat. Defense Ed. Act fel, Harvard, 66-68, Nat. Insts. Health fel, 68-69, Ph.D. (soc. psychol), 69. ASST. PROF. PSYCHOL, VASSAR COL, 69- Group influences on altruistic behavior and acquaintance networks between racial groups. Publ: Co-auth, Acquaintance networks between racial groups, J. Personality & Soc. Psychol, 70. Address: Dept. of Psychology, Vassar College, Poughkeepsie, N.Y. 12601.
- KOSAKI, PROF. RICHARD H. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New information: Also v.pres, 69-7, University of Hawaii, 2444 Dole St, Room 209, Honolulu, Hawaii 96822.
- KOSINSKI, PROF. LESZEK ANTONI, b. Warsaw, Poland, June 13, 29; m. 51. HUMAN GEOGRAPHY, DEMOGRAPHY. Mag. Ekon, Cent. Sch. Planning & Statist, 51; Mag. Fil, Warsaw, 54; Kand. Nauk (geog), Polish Acad. Sci, 58, Docent Nauk, 63. Res. asst. urban demog, Inst. Town Planning & Archit, Warsaw, 50-54; urban & pop. geog, inst. geog, Polish Acad. Sci, 54-83, res assoc, 63-67, head sect. pop. geog, 65-67; vis. prof. GEOG, Queen's (Ont),

- 68-69; ASSOC. PROF, ALBERTA, 69- Vis. prof, California, Berkeley & Indiana, Bloomington, 62; Minnesota-Minneapolis, 67; Northwestern & Pa. State, 68. Co-ed, Geographia Polonica, 63-67. Cor. mem, cmm. pop. geog, Int. Geog. Union, 60-64 & 69, mem, 64-68, secy, Polish Nat. Cmt, 64-67. Award for univ. textbook, Polish Ministry Ed, 64; award res. pop. geog, Polish Acad. Sci, 66. Am. Geog. Soc; Regional Sci. Asn; Asn. Am. Geog; Can. Asn. Slavists; Can. Asn. Geog; Int. Union Sci. Study Pop; Polish Asn. Town Planners; Polish Geog. Asn. Urban and population geography; demography of Europe, particularly of East-Central Europe and Poland, Publ: Demographic processes in the regained territories of Poland, 1945-1960, Warszawa, 63; Population of Europe; a geographical perspective, Longman, London, 70; Changes in the ethnic structure in East-Central Europe, 1930-1960, Geog. Rev, 59: 388-402. Address: Dept. of Geography, University of Alberta, Edmonton, Alta, Can.
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- KOUTSTAAL, DR. CORNELIS W, b. Rotterdam, Netherlands, May 10, 35; U.S. citizen; m. 61; c. 2. PHONETICS, SPEECH. M.S. Springfield, 64; Ph.D. (phonetics), Wester Reserve, 65. Teacher speech & lang, Effatha Sch. Deaf, Netherlands, 58-51; Clark Sch. Deaf, Mass, 61-63; res. asst. SPEECH, Western Reserve, 63-66, ASSOC, PROF, DOWLING GREEN STATE, 66-Nat. Insts: Health fel, Florida, 67; Nat. Sci. Found, grant, 88-69. Acoustical Soc. Am; Speech & Hearing Asn. Parameters of speech influencing perception; acoustic parameters of speech deviation; psychological considerations in speech perception. Publ: The significance of relative intensity differences of vowels, Juliv. Microfilms, 67; Effective speech for the deaf, Volta Rev, 62 & Speaker listener dialect error in discrimination testing, J. Acoustical Soc. Am, 67. Address: Dept. of Speech, South Hall, Bowling Green State University, Bowling Green, Ohio 43402.
- KOVACH, DR. JOSEPH K, b. Godollo, Hungary, Feb. 1, 29; U.S. citizen; m. 63, c. 1. PSYCHOLOGY. A.B. Elmhurst, 59; Ph.D. (psychol), Chicago, 63. Res. asst. psychol, Chicago, 95-63; Nat. Sci. Found, fel. ethol, Stockholm, 63-64; res. assoc, Michael Reese Hosp, Chicago, Ill, 64-65; col. med, Illinois, 65-66; PROJ. DIR. ETHOL, DEPT. RES, MENNINGER FOUND, 66- Evolution and early development of behavior. Publ. Effects of autonomic drugs on imprinting, J. Comp. Physiol. Psychol, 57: 183-187; co-auth, Mechanisms of neonate sucking behavior in the kitten, Animal Behav, 15: 91-101; auth, Maternal behavior in the domestic cock under the influence of alcohol, Science, 156: 835-837. Address: Dept. of Research, Menninger Foundation, Box 829, Topeka, Kans. 66601.
- KOVACS, DR. ARANKA EVE. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Dept. of Economics, University of Windsor, Ont, Can.
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PROF, 67-, CHMN. DEPT. SCH. PSYCHOL, 68- Coordinator eval. serv, Epic Eval. Center, 67-68, asst. dir. admin, 68-70. U.S.A, 55-57. Psychol. Asn; Ed. Res. Asn. Measurement and evaluation; measurement of human behavior; development and implementation of a comprehensive structure and scheme for evaluating the effectiveness of instruction. Publ. Co-auth, Developing and writing behavioral objectives, 68 & A structure and scheme for evaluating, 69, Ed. Innovators; Evaluating with behavioral objectives, Jones Pub, 69. Address: 7425 E. Kenyon, Tucson, Ariz. 85710.

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- Econ. Ed, 69; auth, Challenge: the magazine for economic affairs, Challenge, 61. Address: Center for Economic Education, Montclair State College, Upp. Montclair, N.J. 07043.
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 44, regional res. analyst, 45-50; res. assoc. chronic disease statist, Cmn.
 Chronic Illness, 50-55; pub. health analyst, U.S. Pub. Health Serv, sch.
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 Health Asn; Statist. Asn; Pop. Asn. Am; Int. Union Sci. Study Pop. Personal
 and environmental characteristics in epidemiology of diseases; relationship
 of socioeconomic factors to various measures of morbidity and mortality;
 statistical techniques useful in these fields. Publi: Co-auth, The changing incidence of coronary heart disease, In: Modern trends in cardiology, Butterworths, London, 69, The predictive value of a postal questionnaire on cardiorespiratory symptoms, J. Chronic Disorders, (in press) & Cardiovascular
 diseases, Am. Pub. Health Asn. Monogr. ser, Harvard, (in press). Address:
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- KRUEGER, PROF. WILLIAM C(HARLES) F(REDERICK). Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 5722 E. Dallas St, Mesa, Ariz. 85205.
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 KRUG, PROF, RICHARD F, b. Chicago, Ill, June 22, 21; m. 47; c. 2. AU-DIOLOCY, EDUCATION OF THE DEAF. Bs, Ill. State Normal, 49; M.A. Nothwesten, 51; Ph.D. Ispeech, St. Chila. Bs, Ill. State Normal, 49; M.A. Nothwesten, 51; Ph.D. Ispeech, 51; D. Ispeech, Chila. Bs, Ill. Willhom, 60; D. Ispeech, Center, Nashville, Tenn, 51-53; consult, speech & hearing, Okla. Crnn, Crippled Children, Oklahoma City, 53-57; asst, speech dept, Oklahoma, 57-58; supvr, demonstration sch. for deaf, med. center, Oklahoma, 58-59; dir, Dalias Pilot Inst. for Deaf, 59-63; assoc. prof. AUDIOL, COLORADO, 63-67, PROF. 67- Mem. adv. cmt, U.S. Off. Ed, 61; chmn. planning & eval. cmt. & sect. on teacher prep. progs, 64; chmn. visual aids cmt, Conf. Execs. Am. Schs. for Deaf, 62; mem. resource cmt, Nat. Ed. Asn, 64; adv. cmt. to study feasibility of integrating deaf youth into Job Corps, 65; Acad. Rehab. Audiol, 65. U.S.A, 42-45, S/Sgl. Interaction of visual and auditory cues; language instruction for the deaf; instructional media. Publ. The Oklahoma conservation of hearing program: a manual of operations, Okla. State Dept. of Health, 55; co-auth, Understanding the deaf client, Univ. Colorado, 64; auth, An approach to teaching language to young deaf children, U.S. Off. Ed, 66. Address: Speech & Hearing Clinic, University of Colorado, Boulder, Colo. 80302.
- KRUGER, PROF. DANIEL H, b. Norfolk, Va, Dec. 15, 22; m. 48; c. 5. LABOR & INDUSTRIAL RELATIONS. B.A, Richmond, 49; M.A, Wisconsin, 51, Ph.D. (econ, labor rels), 54. From asst, prof. to prof. mgt. & dir. commerce ext, Alabama, 54-57; assoc. prof. INDUST. RELS, MICH. STATE, 57-61, PROF, 63-ASSOC. DIR. MOT. PROG. SERV, 65-, asst. to dir. lab. & Indorels, centre, 57-61, assoc. dir. personnel mgt. prog. serv, 61-66. Exst. prof. Serv, Employ. Serv. Task Force, U.S. Dept. Labor, 65-66. Consult, N.Cent.

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Regional Manpower Adv. Cmt, Bur. Employ. Security, U.S. Dept. Labor, 60; chmn, Mich. Manpower Cmn, 69. U.S.N.R, 43-46, Lt.(sg). Indust. Rels. Res. Asn; Econ. Asn. Manpower; collective bargaining. Publ: Co-auth, The role of the United States Employment Service in a changing economy, Upjohn Inst, 64 & Collective bargaining in the public service, Random, 69; contrib, Racial crisis in American education, Follett, 69. Address: 225 S. Kedzie Hall, Michigan State University, East Lansing, Mich. 48823.

KRUS, DR. DONALD M. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chmn. Dept. of Psychology, University of Massachusetts, Boston, Mass. 02113.

KRUSE, DR. ARTHUR P(AUL). Political Science. See 11th ed, Soc. & Behav. Vols, deceased 68.

KRUSE, DR. BRUCE T, b. Parkersburg, Iowa, Jan. 25, 31; m. 60; c. 3. ÅC-COUNTING. B.A., Northern Iowa, 51; M.A., Boston, 52; Ph.D. (acct), La. State, 64. Prof. ACCT, Iowa State, 62-68; ASSOC. PROF, WESTERN IL-LINOIS, 68-, CHMN. DEPT, 69- U.S.A., 52-54. Address: Dept. of Accountancy, Western Illinois University, Macomb, Ill. 61455.

KRUSSEFF, DR. WALJU G, b. Sofia, Bulgaria, July 8, 15; U.S. citizen; m. 53; c. 1. ECONOMICS, LAW. M.A, Sofia, 37 & 40; Ph.D. (econ), Vienna, 45, Law Absolutorium, 49; Maryland & Catholic Univ, 96-61. Asst. chief dept. banking, Bulgarian Nat. Bank, 39-43; re-estab. officer, Int. Refugee Orgn, 51-52; researcher, Mid-European Studies Center, 53-55; col. instr, U.S. Army Lang. Sch, 56-57; training instr, For. Serv. Inst, 57-62; financial economist, Fed. Home Loan Bank Bd, 62-66; ACTING CHIEF OF STAFF, STATIST. DIV, INTERNAL REVENUE SERV, 66- Econ. Asn, Statist. Asn. Collecting and analyzing economic data, drawing conclusions of analyzed research findings and writing reports; research methodology and projection techniques. Publ: Co-auth, Bulgarian Basic Course, 62 & Bulgarian Reader, 62, U.S. Dept. State; auth, Banks and credit institutions in Bulgaria, Library of Congress, 55. Address: 8728 Sleepy Hollow Lane, Potomac, Md. 20854.

KRZYZANIAK, PROF. MARIAN. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Henry Fox, Sr, prof. econ, 69-, Dept. of Economics, Rice University, Houston, Tex. 77001.

KSHIRSAGAR, DR. ANANT MADHAV. Statistics, Operations Research. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

KUBANY, ALBERT JULES. Industrial Psychology. See A-K Vol. 11th ed, Soc. & Behav. Vols. New position: Dir. counseling & health, Gen. Motors Inst, 69- Address: 4030 Sterling, Flint, Mich. 48504.

KUBE, DR. ELLA. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Soc. res. analyst, Neighborhood Youth Corps, 69-Address: 310 Mavis Dr, Los Angeles, Calif. 90065.

KUBOSE, DR. SUNNAN KOYO, b. Los Angeles, Calif, Dec. 17, 41; m. 66. EXPERIMENTAL PSYCHOLOGY. B.A. California, Berkeley, 64; M.A. San Francisco State Col, 66; Ph.D. (child psychol), lowa, 69. Nat. Inst. Child Health & Develop. trainee, 67-69; ASST. PROP. PSYCHOL, NORTH CAROLINA, GREENSBORO, 69- Soc. Res. Child Develop. Human learning and motivation. Publ: Co-auth, Preschool children's ratings of familiarized and nonfamiliarized visual stimuli, J. Exp. Child Psychol, 8: 74-81; co-auth, The correlation between amplitude and speed measures in children's leverpulling behavior, 18: 38-34 & auth, The stimulus familiarization effect as a function of stimulus similarity, 18: 367-368, Psychonomic Sci. Address: Dept. of Psychology, University of North Carolina at Greensboro, Greensboro, N.C. 27412.

KUBRIN, DR. DAVID CHARLES. History of Science. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

KUEHN, DR. JOHN P, b. Cleveland, Ohio, Sept. 24, 42. AGRICULTURAL ECONOMICS. B.S., Rutgers, 64; M.S., Vermont, 66; Ph.D. (agr. econ), Tennessee, 69. ASST. PROF. AGR. ECON, WEST YIRGINIA, 69-Agr. Econ. Asn; Econ. Asn. Livestock marketing. Address: Dept. of Agricultural Economics, West Virginia University, Morgantown, W.Va. 28504

KUENNE, DR. ROBERT EUGENE. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. Change of address: 63 Bainbridge St, Princeton, N.J. 08540.

KUENZLI, PROF. ALFRED E(UGENE). Psychology. See A-K Vol. 11th ed. Soc. & Behav. Vols. Change of address: 512 N. Main St, Edwardsville, Ill. 62025.

KUHN, DR. ROBERT LAWRENCE. Psychophysiology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

KUHNS, DR. E(DWARD) DOUGLAS. Economics. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Economist, Commun. Workers of Am, 68-Address: 7868 Takoma Ave, Takoma Park, Md. 20012.

KULKARNI, PROF. GOPAL SHRINIVAS, b. India, June 22, 27; m. 51; c. 2. GEOGRAPHY, REGIONAL PLANNING. B. Sc, Karnatak Univ, India, 50; M. Sc, Banaras Hindu Univ, 52; univ. fel, Potona, 53; univ. fel, Pittsburgh, 62-64, Fulbright travel award, 62-65, Ph.D. (lurban geog), 65. Lectr. geog, Vivek Vardhini Col, India, 54-55; head dept, Nowrosij Wadia Col, India, 56-62, asst. prof. & head dept, 65-66; asst. prof. de. State Col, 64-65; geographer, Gokhale Inst. Polit. & Econ, Poona, India, 66-68; assoc. prof. GEOG, INDI-ANA UNIV. PA, 69-70, PROF, 70- Nat. Sci. Found. fel, Ohio State, summer 65. Mem. land-use study group, Poona Metrop. Regional Planning Bd, India, 68-69. Treas, Indian Coun. Geog, 60. Asn. Am. Geog; Regional Sci. Asn. India. Regional development and planning, especially in developing areas of the world; development of urban infra-structure for industrial dispersal in backward regions; identification of growth centers for regional planning. Publ: Co-auth, Community cost of industrial location at Bombay and Nasik, Sicom, Bombay, 68, Agricultural regionalization of Maharashtra: a multi-

variate approach, Nat. Geog. Soc, Banaras, 68 & Effect of data transformation on the delineation of regions by the principal component method, Int. Geog. Congress, New Delhi, (in press). Address: Dept. of Geography, Indiana University of Pennsylvania, Indiana, Pa. 18701.

KUNSTADTER, DR. PETER. Anthropology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Vis. assoc. prof, anthrop. prev. med, 69-, Dept. of Preventive Medicine, University of Washington, Seattle, Wash. 98105.

of Prevenue medicine, University of wasnington, ocature, wasn. Solvo.

KUO, DR. YOU-YUH, b. Foochow, China, May 6, 33; m. 67; c. 1. EDUCATIONAL PSYCHOLOGY. B.A, Taiwan Norm. Univ, 56; M.A, Nat. Chengchi
Univ, 58; M.Ed, Maryland, 63, Grant Found. fel, 65-66, Ed.D. (human develop. ed), 61. Sr. officer, dept. ed. & cult, Overseas Chinese Affairs Cmn,
58-61; asst. elem. ed, Maryland, 63-64; teacher, Md. Sch. Blind, 64-65;
assoc. prof. develop. psychol, Bloomsburg State Col, 66-69, ASST. PROF.
HUMAN DEVELOP. & ED. PSYCHOL, BALL STATE, 69- Consult, Res.
Media, Inc, N.Y, 69- Mem. bd. dirs, Chinese-Am. Ed. Found, 68- Chinese
Army, 59-61, 2nd Lt. Psychol. Asn; Soc. Res. Child Develop. Developmental psychology; education; behavioral science. Publ: Studies on juvenile
delinquency. Chia-Shing Cement Co, Taiwan, China, 64: Creative thinking:
delinquent vs. nondelinquent boys, J. Creative Behav, fall, 67. Auth. recording, Mental illness, delinquency, and creativity, Sound Sem. Div, Behav.
Sci. Assocs, Cincinnati, distributed by McGraw, 66. Address: Dept. of
Educational Psychology, Ball State University, Muncie, Ind. 47306.

KUOKSA, PROF. GLADYS MARIA, b. Keewatin, Minn, Dec. 13, 31. SOCIOL-OGY, SOCIAL PSYCHOLOGY. B. A, Wisconsin, 56; M. A, Western Reserve, 69; Ph. D. (sociol), Case Western Reserve, 68; Minni (Ohio), 69-70. Asst. proj. dir. for. student study, Western Reserve, 63-64; asst. prof. SOCIOL, WEST. COL, 64-68, assoc. prof. 68-70, PROF, 70. Asst. prof. Maharanis Col, Bangalore, India, 66-69. Sociol. Asn. Soc. Study Social Probs. Racial and cultural minorities, including untouchables in India; manifestations of personal power. Address: Dept. of Sociology, Western College, Oxford, Ohio 45056.

KUPKE, PROF. HAROLD G, b. Keystone, Nebr., Nov. 4, 20; m. 52; c, 5. SO-CIOLOGY. B.A, Concordia Sem, Mo, 45; M.A, Wayne, 56; Nat. Sci. Found. summer grants, Emery, 66, Missouri-Columbia, 67; Nebraska, Lincoln, 67; 70, fel, 68-69. Clergyman, Lutheran Church, Bazine, Kans, 45-47; teacher, Lutheran High Sch, Mich, 48-54; Calif, 54-63; PROF. SOCIOL, CONCORDIA TEACHERS COL.(NEBR), 63- Instr., Univ. Nebraska, Lincoln, 68-69. Sociol. Ası; Soc. Sci. Study Relig. Youth beliefs and practices respecting courtship; religion and social change; religiosity and prejudice; religiosity and dogmatism. Address: Dept. of Sociology, Concordia Teachers College, Seward, Nebr. 68434.

KUPPERMAN, DR. ROBERT H(ARRIS). Applied Mathematics, Operations Research. See Suppl. V to 11th ed, Phys. & Biol. Vols.

KURCZYNSKI, DR. THADDEUS WALTER. Human Genetics, Internal Medicine. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

KURTZ, DR. ALBERT K(ENNETH). Psychology, Statistics. See A-K Vol., 11th ed, Soc. & Behav. Vols. New information: Retired, 69. Address: Park Knowles Apartments, Apt. 418, Winter Park, Fla. 32789.

KURTZ, PROF. DAVID L, b. Riverside, N.J, Feb. 19, 41; m. 67; c. 1. BUSINESS ADMINISTRATION, ECONOMICS. Davis & Elkins Col, 63; M.B.A, Arkansas, 65, Ph.D, 69. Instr. econ, Arkansas, 65-67; asst. prof. MKT. EASTERN MICHIGAN, 67-69, ASSOC. PROF, 69- Mkt. Asn. Sales force management; sales recruiting. Publ. Co-auth, Some comments on national tax policy, Bus. & Soc, autumn 69; auth, Physical appearance and stature: important variables in sales recruiting, Personnel J, 12/69; Student attitudes toward a sales career: a re-examination, J. Col. Placement, 12/69-1/70. Address: Dept. of Marketing, College of Business, Eastern Michigan University, Ypsilanti, Mich. 48197.

KURTZ, PROF. PAUL. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV. Philos, Relig. & Law.

KURTZMAN, DR. DAVID H(AROLD). Political Science. See A-K Vol. 11th ed, Soc. & Behav. Vols. New information: Hon. L.H.D. Jefferson Med. Col. 68; hon. D. Sc, Pa. Col. Optometry, 69. Secy. ed, 69-, Dept. of Education. Commonwealth of Pennsylvania, 317 Education Bldg, Harrisburg, Pa.

KURYLO, DR. WALTER. Public Administration, Economics. See A-K Vol. 11th ed. Soc. & Behav. Vols. New position: Chief state indust. liaison div, Dept. of Transportation Off. Pipeline Safety, 67- Address: 3300 Military Dr. Falls Church, Va. 22044.

KURZ, DR. RONALD BURTON. Psychology. See A-K Vol, 11th ed. Soc. & Behav. Vols. New position & address: Ed. affairs officer, 69-, American Psychological Associations, 1200 '17th St, Nw, Washington, D.C. 20036.

KUSHNER, DR. GILBERT, b. New York, N.Y., July 7, 33; m. 58; c. 3. SOCIAL ANTHROPOLOGY. B.A. City Col. New York, 54; M.A. Arizona, 58, Ph.D. (anthrop), 68; North Carolina, 58-61; Govt. of Israel award and Fulbright travel grant, Israel, 61-62. Instr. sociol. & anthrop, Houston, 62-66; asst. prof. ANTHROP, State Univ. N.Y. Col. Brockport, 68-69, ASSOC. PROF, 69-70; SOUTH FLORIDA, 70- Qm.C., U.S.A., 54-56. Fel. Anthrop. Asn; fel. Soc. Appl. Anthrop. Complex societies; culture change; Israel; Anglo United States; archaeological interpretation. Publ. Co-auth, What accounts for sociocultural change? a propositional inventory, Inst. Res. Soc. Sci., Univ. North Carolina, 62; auth, Indians in Israel: guided change in a new-imml-grant village, Human Orgn, 68; The anthropology of complex societies, In: Blennial review of anthropology, 96, Stanford Univ., 70. Address: Dept. of Anthropology, University of South Florida, Tampa, Fla. 33620.

KUTGER, DR. JOSEPH P, b. New York, N.Y. May 26, 17; m. 56; c. 2. PO-LITICAL SCIENCE. B.A. Philippines, 54, M.A., 55; Ph.D.(polit. sci), Colorado, 61. Intel. res. officer, U.S. Air Force, 62-63; opers. res. officer, Off. Chief Staff, U.S. Army, 63-65; FOR SERV. OFFICER, AREA DEVELOP, U.S. DEPT. STATE, 65-69, PARAMIL. ADV, 69 - U.S. A.F., 41-61, Lt. Col. Polit. Sci. Asn. Economic, social and political development of emerging nations, political and military facets of insurgencies; development of mathematical models for computer programming of military operations—unconventional, conventional and nuclear. Publ: Irregular warfare in transition in military affairs, Am. Mil. Inst, 11/60; Chap. 4, In: Modern guerrilla warfare, Free Press, 62; Ordinal utility model for determining indices of compate effectiveness of army organizations, Proc. Mil. Opers. Res. Symp, Off. Naval Res, D.C., 65. Address: U.S. Dept. of State, Agency for International Development, Washington, D.C. 20523.

KUTHIALA, DR. S. K, b. Simla, India, July 12, 43. SOCIOLOGY, DEMOGRAPHY. B.Sc., Punjab, India, 61, M.Sc., 63; fel, UN Demog. Res. & Training Centre, 63.-65, cert, demog, 65; fel, Chicago, summer 66; Ph.D.(sociol), Georgia, 69. Instr. SOCIOL, Georgia, 65-67; ASST. PROF, EAST CAROLINA, 68. Ministry For. Affairs lectr, Rural Develop. Col., Copenhagen, Denmark, summer 67. Sociol. Asn; Pop. Asn. Am. Process of modernization in developing nations; process of industrialization in India. Publ.: Factory workers in India: a study in modernization, Asia Pub, 70; Demographic characteristics of tribal population in India, Indian Sociol. Bull, 10/69; Impact of factory production on traditional societies: a study of modernization, Brit. J. Sociol, 1/70. Address: Dept. of Sociology & Anthropology, East Carolina University, P.O. Box 2783, Greenville, N.C. 27834.

KUTNER, PROF. BERNARD. Psychology. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. 69-, Albert Einstein College of Medicine, 1300 Morris Park Ave, Bronx, N.Y. 10461.

KUUSISTO, DR. ALLAN A(NDREW). Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Acting pres, 69-, State University of New York at Albany, 123 Western Ave, Albany, N.Y. 1220.

KUVLESKY, DR. WILLIAM P(ETER), b. Braddock, Pa, June 29, 33; m. 56; c. 5. SOCIOLOGY. B.S. Pa. State, 58, M.S., 60, Ph.D. (rural sociol), 65. Instr. SOCIOL, Pa. State, 60-64; from asst. prof. to ASSOC. PROF, TEXAS A&M, 64- Chmn, U.S. Dept. Agr. res. proj. 69-70. Consult, S.W. Manpower Adv. Cmt, U.S. Labor Dept, 70- U.S. M.C., 53-56, 5g. Sociol. Ass; Rural Sociol. Soc; Soc. Study Social Probs. Aspirations of youth; minority group relations; social mobility of rural youth; animal social behavior; metasociology. Publ: Co-auth, A clarification of the concept occupational choice, 9/66, The relevance of adolescent's occupational aspirations for subsequent job attainment, 9/67 & A rural-urban comparison of the occupational status orientations of Negro boys, 6/68, Rural Sociol. Address: Dept. of Agricultural Economics & Sociology, Texas A&M University, College Station, Tex. 77843.

KWAK, DR. NO KYOON. Economics, Management Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 68-, Dept. of Management Sciences, Saint Louis University, 3674 Lindell Blvd, St. Louis, Mo. 63108.

KWAN, PROF. KIAN M(OON). Sociology. See A-K Vol, 11th ed, Soc. & Behav Vols. New position: Prof. & chmn, 68-, Dept. of Sociology, San Fernando Valley State College, Northridge, Calif. 91324.

KYRIAKIDES, DR. STANLEY. Political Science. See A-K Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. polit. sci, Paterson State Col, 69- Address: 6305 Boulevard East, West New York, N.J. 07093.

KYSER, DR. DeWAYNE, b. Shepherd, Mich, Feb. 20, 13; m. 38; c. 1. GEOG-RAPHY, A.B, Central Michigan, 35; A.M, Michigan, 37; fel, Syracuse, 37-38; Ph.D. (geog), Mich. State, 69. AST. PROF. GEOG, CENTRAL MICHIGAN, 65- Asn. Am. Geog; Geog, Asn. Agricultural and cultural geography; Europe and the Soviet Union. Publ. Reliet forms in the central Michigan rural landscape, Mich. Academician, 12/69. Address: R.F.D. 2, Shepherd, Mich. 46883.

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LaBACH, DR. WILLIAM ANDERSON. Mathematics, Topology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

LABSVIRS, PROF. JANIS. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Dept. of Economics, Indiana State University, 3313 Hovey St, Indianapolis, Ind. 46218.

LA CASCIA, PROF. JOSEPH S, b. Miami, Fla, Apr. 16, 27; m. 64; c. 1. ECO. NOMICS. B.A. Univ. of the Americas, 58; M.A. Middlebury Col, 61; Ph.D. (econ.), Florida, 67. Salesman, Stein, Hall & Co., Inc., 51-57; instr. Spanish, Nazareth Col. Michi), 61-62; Georgia, 62-63; Rockefeller Found. res. grant, Mexico, 64-65; asst. prof. ECON. Nebraska, Omaha, 65-66; assoc. prof, Inter-Am. Univ. P.R. 66-68; West Florida, 68-69; PROF. & CHMN. DEPT, MARSHALL, 69- Fulbright-Hays lectr, Argentina & Brazil, 66. U.S.A, 45-47. Econ. Asn. Capital formation with relation to economic development of underdeveloped countries. Publ: Capital formation and economic development in Mexico, Praeger, 69; The economy of Mexico, In: Collier's encyclopedia, Collier-Macmillan, 70. Address: Dept. of Economics, Marshall University, Huntington, W. Va. 25701.

LACEY, PROF. BEATRICE C(ATES). Psychophysiology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

LACKAS, DEAN JOHN C, b. New York, N.Y, Oct. 15, 04; m. 35. ECONOMICS, INTERNATIONAL RELATIONS. LL.B, Rutgers, 29, LLM, 35; B.S, N.Y. Univ, 30, M.A. 31, Ph.D. (col. teaching), 38; M.S.S, New Sch. Soc. Res, 36; J.S.D. St. John's, 38. Prof. bus, Seton Hall, 38-42; instr. law & econ. & aset. head dept. ship mgt, U.S. Merchant Marine Acad, 45-46; finance officer, U.S. Army, 46-45; aset. comptroller int. affairs, Off. Comptroller Army, 46-47; med. faculty planning & programming, Indust. Col. Army, 48-55; mem. faculty planning & programming, Indust. Col. Army

Forces, 55-59; PROF. ECON, ACTING PRES. & DEAN ADMIN, QUEENS-BOROUGH COMMUNITY COL. 60- Instr., head dept. mil. training, dir. training & commandant, U.S. Army Finance Sch, 48-52; trustee & v.pres, Queensboro Coun. Soc. Welfare, 61-; pres, L.I. Ed. TV Coun, Inc. 68- U.S.A 42-69, Col. AAAS; Econ. Asr, Acad. Polit. & Soc. Sct; Acad. Polit. & Government regulation of public utilities; governmental fiscal and monetary policy; the planning, programming and budget system in the federal government; United States assistance to underdeveloped countries; the involvement of the military in the implementation of foreign policy. Publ: Co-auth, Military supply management, Indust. Col. Armed Forces, 58; auth, Distinction between utility and private business, Pub. Utilities Fortnightly, 38 & Decisions of comptroller general on questions relating to patent law, J. Patent Off. Soc, 48. Address: 41 Hicks Ave, Syosset, N.Y. 11791.

LACKLEN, ROBERT J(ONES). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Pres, 69-, Prediction Inc, Box 298, Greensboro, N.C. 27402.

ACKS, DR. PATRICIA BRILLIANT, b. Ontario, Ore, Feb. 22, 41; m. 68. CLINI-CAL PSYCHOLOGY. B.A, Washington (St. Louis), 61, U.S. Pub. Health Serv. fel, 62-66, M.A, 62, Ph.D. (clin, psychol), 66. Clin. res. asst. psychol, west Haven Vet. Admin. Hosp., Conn, 62-65; intern med. psychol, sch. med, Washington (St. Louis), 65-66; STAFF PSYCHOLOGIST, MALCOLM BLISS MENT. HEALTH CENTER, 66- Leetr, St. Louis, 68-; intern, sch. med, Washington (St. Louis), 66-66; STAFF PSYCHOLOGIST, MALCOLM BLISS MENT. HEALTH CENTER, 66- Leetr, St. Louis, 68-; intern sch. med. Washington (St. Louis), 66- Mem, Inst. Rational Living. Psychol. Asn. Rational-emotive psychotherapy with individuals and families; assessment techniques, especially tests for organicity; personality theory. Publ: Co-auth, A more meaningful and practical approach to psychological reports, J. Clin. Psychol, 25: 383-386; & A workshop in communication among members of a psychiatric team, Psychol. Reports, 26: 423-430; auth, Stimulus generalization in psychiatric patients as a function of anxiety level—ego strength, sex, and time of testing, J. Ahoorm. Psychol, (in press). Address: Malcolm Bliss Mental Health Center, 1420 Grattan St, St. Louis, Mo. 63104

LACY, DEAN ALEX B, JR, b. Clover, Va, Nov. 26, 36; m; c. 1. POLITICAL SCIENCE. B. A, Duke, 59; Thomas Jefferson fel, Virginia, 60-63, Ph.D. (polit, sci), 64. Asst. prof. polit. sci, Tulane, 63-67; Virginia, 67-68; DEAN SCH. URBAN LIFE, GA. STATE, 66 Guest scholar, center adv. studies, Brookings Inst, 66; Grad. Cour. res. grant, Tulane, 66; Tulane Scholars & Fels. res. grant, Ford Found, 66; Stern Family Fund grant, 66; Wilson Gee res. grant pub. policy, 67; DuPont res. grant exec. staffing, 68. Polit. Sci. Asn; Nat. Munic. League; Soc. Pub. Admin. Urban and presidential politics; urban public policy; legislative behavior. Publ: Co-auth, Evolving issues and patterns of state legislative redistricting in large metropolitan areas, Inst. Metrop. Studies, 66; contrib. ed, Power in American state legislatures, Martinus Nijholf, 68. Address: School of Urban Life, Georgia State University, Atlanta, Ga. 30303.

LADD, DR. CLAYTON E(UGENE). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir, 68-, Counseling & Testing Center, Southern Illinois University, Carbondale, Ill. 62901.

LADD, PROF. JOHN. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

LADD, (ROBERT) BOYD. Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. dir. statist. develop, nat. center ed. statist, U.S. Off. Ed, 68- Address: 717 College Pkwy, Rockville, Md. 20850.

LADIN, DR. JAY, b. New York, N.Y, Jan. 3, 40; m. 63; c. 2. ECONOMICS. B.B.A, City Col. New York, 62; M.S, Purdue, 65, Ph.D.(econ), 69. ASSITY DROF, econ, Kansas State, 66-68; ECON. & FINANCE, BARUCH COL, CITY UNIV. NEW YORK, 68- Econ. Asn; National Tax Asn. State and local government budget problems and policies. Publ: Mortgage credit in Tippecane County, Indiana, 1865-1880, Agr. Hist, 1/67. Address: Dept. of Economics, Bernard M. Baruch College, 17 Lexington Ave, New York, N.Y. 10010.

LADDISKY, DR. JACK, b. St. Louis, Mo, May 8, 32; m. 61; c. 2. SOCIOLOGY. B.S. Ed, Missouri-Columbia, 54, M.A. 57; Ph.D. (sociol), Michigan, 62. Instr. SOCIOL, WISCONSIN, MADISON, 61-62, asst. prof. 62-68, ASSOC. PROF. 68- Dir, Sociol. & Law Prog, Univ. Wisconsin, 66-67, Center Law & Behav. Sci, 66- Med.C, U.S.A, 54-56. Law & Soc. Asn; Sociol. Asn; Pop. Asn. Am; Polit. Sci. Asn. Legal profession; social change; social organization. Publi: Careers of lawyers, law practice and legal institutions, 63 & Occupational determinants of geographic mobility among professional workers, 67, Am. Sociol. Rev; co-auth, Social change and the law of industrial accidents, Columbia Law Rev, 67. Address: Dept. of Sociology, University of Wisconsin, Madison, Wis. 53706.

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- LAIR, DR. JESSE K, b. Bricelyn, Minn, Oct. 11, 26; m. 49; c. 5. PSYCHOL-OCY, COMMUNICATIONS. B. A, Minnesota, 48, M.A, 64, Ph. D. (psychol), 65. Mkt. consult, Jesse Lair Co, 56-62; instr. speech & Eng, Minnesota, St. Paul, 62-65, asst. prof. 65-66, ASSOC. PROF. 66-67; eng, MONTANA STATE, 67-69, ED. PSYCHOL, 69. US.A. F. 44-45, Lt. Psychol. Asn; Nat. Coun. Teachers Eng. College grading practices; evaluation of teaching effectiveness; methods of teaching college composition. Address: College of Education, Montana State University, Bozeman, Mont. 59715.
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- LAKSHMIKANTHAM, DR. VANGIPURAM. Mathematics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- LAL, DR. AMRIT, b. Islampur, West Punjab, India, Mar. 17, 32; m. 59; c. 3. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B. A. Punjab, India, 52, M. A., 56; LL.B., Delhi, 54; Ph.D., N.Y., Univ, 66. Instr., Tennessee State, 64-67; asst. prof., Ala. State Col., 67-68; ASSOC. PROF. POLIT. & BEHAV. SCI, TUSKEGEE INST, 68. Summer instr., Tennessee, 66. Participant, interuniv. consortium summer prog. polit. res, Univ. Michigan, 69. Am. Polit. Sci. Asn; Am. Soc. Pub. Admin. Indian Soc. & Behav. Sci. Comparative administration; international relations; American government, Ellack political development. Publ. Co-auth, American national government, Ellack political development. Publ. Co-auth, American ast on Sci. Comparative administration: a case study of India, Univ. Microfilms, 67; Reflections on America as a great society, J. Soc. & Behav. Sci., spring 68. Address: Division of Behavioral Science Research, Tuskegee Institute, Ala. 36088.
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- LAMPHERE, DR. LOUISE ANNE, b. St. Louis, Mo, Oct. 4, 40. SOCIAL AN-THROPOLOGY. B.A. Stanford, 62; M.A. Harvard, 66, Ph.D. (anthrop), 68. Vis. asst., porf. ANTHROP, Rochester, 67-68; ASST. PROF. BROWN, 68. Fel. Am. Anthrop. Asn; fel. Royal Anthrop. Inst. Gt. Brit. & Ireland. North American ethnology, especially the Navajo Indians of New Mexico and Arizona; kinship and social organization; political anthropology; ritual and symbolism. Publ: Co-auth, Time, resources and authority in a Navajo community, Am. Anthrop, 467; auth, Symbolic elements in Navajo ritual, Southwest. J. Anthrop, Vol. 25: No. 3; Ceremonial cooperation and networks: a reanalysis of the Navajo outfit, Man, 3/70. Address: Dept. of Anthropology, Brown University, Providence, R.I. 02912.
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- LANGE, DR. ROBERT RAYMOND, b. Mandan, N.Dak, June 13, 35; m. 55; c. 6. EDUCATIONAL RESEARCH. B.S., Ore. Col. Ed, 60; M.Ed, West. Wash. State Col. 63; Ed. Res. Training Prog. fel, New Mexico State, 67-69, D.Ed, (ed. admin), 69. Instr. ED. RES, TEACHING RES. DIV. ORE. STATE SYST. HIGHER ED, 65-67, ASST. PROF, 69 U.S.A.F, 54-57. Ed. Res. Asn. Quantification in educational decision making; systematic educational materials development; design and statistics in educational research and evaluation. Publ: Co-auth. Dental anatomy—a self-instructional program, Teaching Res. Div., Ore. State Syst. Higher Ed, 67; Mexican-American students in a metropolitan context: factors affecting social-emotional climate of the classroom, N.Mex. State Res. Center, 69. Address: Teaching Research Division, Oregon State System of Higher Education, Mommouth, Ore. 97361.
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- LANGROD, DR. WITOLD L(UCJAN). International Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 467 Central Park W, New York, N.Y. 10025.
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- LANTZ, DR. JOANNE BALDWIN, b. Defiance, Ohio, Jan. 26, 32; m. 55. COUNSELING, PSYCHOLOGY. B.S., Ind. Cent. Col. 53; M.S., Indiana, Bloomington, 57; Delta Kappa Gamma scholar, Mich. State, 66, Ph.D. (counseling, psychol), 69: Teacher, Arcola High Sch, Ind, 53-57; guid. dir, New Haven 8r. High Sch, 57-65; ASSOC. PROF. PSYCHOL. & COORDINATOR COUNSELING & TESTING, PURDUE, FT. WAYNE, 65- Personnel & Guid. Asn. Continuing education of adult women; current usage of and attitudes toward drugs. Publ. Problems of women in regard to education and vocation, ind. Personnel & Guid. J., spring 67, Attitudes and characteristics of adult codes at selected universities, Student Personnel Abstracts, spring 68; co-auth, The adult coed: a personal/vocational profile, Nat. Bus. Woman, 10/68. Address: Dept. of Psychology, Purdue University, 2101 E. Coliseum Blvd, Ft. Wayne, Ind. 46805.
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- LARSEN, DR. KNUD SONDERHEDE, b. Silkeborg, Denmark, May 19, 38; U.S. citizen; m. 58; c. 3. SOCIAL PSYCHOLOGY. B.A, Calif. State Col. Los Angeles, 64, M.A, 66; Nat. Sci. Found. fel, Brigham Young, 66-69; Ph.D. (soc. psychol), 69. Res. fel, Int. Peace Res. Inst, Oslo, Norway, 68-69; ASST. PROF. PSYCHOL, OREGON STATE, 69- Oregon State Univ. Found. staff develop. fel. & Nat. Sci. Found. fel, 69. Psychol. Asn; Int. Peace Res. Asn. Conflict resolution; attitude measurement and change; conformity; small group processes. Publ: Authoritarianism, self esteem and insecurity, Psychol. Reports, 25: 229-230; Change in attitudes toward Negroes resulting from exposure to congruent and non-congruent attitudinal objects, J. Peace Res. 3: 157-161; Personality and selectivity factors as predictors of social conformity among college girls, J. Soc. Psychol, (in press). Address: Dept. of Psychology, Oregon State University, Corvallis, Ore- 69331.
- LARSON, PROF. ARTHUR. Law, International Affairs. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
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- LARSON, PROF. WILLIAM RAYMOND, b. Spokane, Wash, Feb. 14, 30; m. 53; c. 2. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.A, Washington (Seattle), 55, M.A, 58, Ph.D. (sociol), 65. Acting instr. sociol, Washington (Seattle), 55-59; proj. dir. & sr. res. assoc, youth studies center, Southern California, 61-65, dir. comput. sci. lab, 66-67, assoc, prof. pub. admin, 67-68, assoc. prof. sociol. & anthrop. & assoc. dir. res, geront. center, 68-69; PROF. BEHAV. SCI. & CHAIN. DEPT, CALIF. STATE POLYTECH. COL, POMONA, 69-Spec. consult, training div., Los Angeles County Sheriff's Dept. & life sci. div., AiRes. Mig. Co, 68 U.S.A, 51-53, Res, 53-, Maj. AAS; Sociol. Asn; Geront. Soc. Interdisciplinary studies of human behavioral development, with emphasis on quantification and multivariate measurement; computer systems and simulations of society and groups; psycho-social analyses of man-environmental interaction in zero-gravity conditions. Publ: Intrafamily relationships and adolescent school adjustment, Youth Studies Center, Univ. Southern California & U.S. Off. Ed. 67: co-auth, Primary and formal family organization and adolescent socialization, Sociol. & Soc. Res, 10/65 & The doctor as culture hero: the routinization of charisma, Human Orgn, fall 65. Address: Dept. of Behavioral Science & Social Services, California State Polytechnic College, Pomona, Calif. 91766.
- LASH, DR. LEONARD. Physiological Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Exec. secy. neuropsychol. res. rev. cmt, 68-; National Institute of Mental Health, 5454 Wisconsin Ave, Chevy Chase, Md. 20015.
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- LATANE, PROF. BIBB. Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 68-, Dept. of Psychology, Ohio State University, 404 C W. 17th Ave, Columbus, Ohio 43210.
- LATTAL, DR. KENNON ANDY, b. Selma, Ala, Jan. 7, 43; m. 65. PSYCHOLOGY. B. S. Alabama, 64, Ph.D. (psychol), 69. Instr. psychol, Alabama, 68-69; RES. PSYCHOLOGIST, U.S. ARMY, 69. McA. Serv. C. U.S. A, 69.— Capt. Psychol. Asn. Experimental analysis of behavior; behavior modification; psychopharmacology; animal behavior. Publ. Co-auth, Group interpersonal problem solving: an example, Adolescence, 68; auth, Contingency management of toothbrushing in a summer camp for children, J. Appl. Behav. Anal, 68; Relative frequency of reinforcement and rate of punished behavior, J. Exp. Anal. Behav, 70. Address: Psychology Branch, Medical Research Lab, Edgewood Arsenal, Md. 21010.
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- sec. schs, Nebr, 57-59; Colo, 59-66; asst. audio-visual tech, Iowa State, 66-68; ASST. PROF. SAFETY & DRIVER ED, NORTHERN ILLINOIS, 68- Vehicle to record physiological data of drivers' heartbeat and galvanic skin response. Address: 130 Charter Ave, DeKalb, Ill. 60115.
- LAUDERDALE, DEAN FRANK J, b. Wellington, Mo, Jan. 11, 16; m. 47; c. 4. BUSINESS ADMINISTRATION, ECONOMICS. B.S, Cent. Mo, State Col., 36; summer, lowa, 38; M. Ed, Missouri-Columbia, 41; Ph.D. (bus. admin), Texas, Austin, 66. Teacher high schs, Mo, 36-42; instr. commerce, Missouri, 47-48; acct, Haskins & Sells, 48-50; instr. acct, Texas, 51-52; prof. bus. admin. & head dept, STEPHEN F. AUSTIN STATE, 52-68, DEAN SCH. BUS, 68. U.S.A. E., 74-247, Capt. Accounting; statistics; management. Address: Box 3004, Stephen F. Austin State University School of Business, Nacogdoches.
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- LAUGHLIN, DR. J(AMES) STANLEY, b. Guilford, Mo, Sept. 23, 36; m. 60; c. 2. MATHEMATICS, EDUCATION. B.S. Northwest Mo. State Col., 58; Nat. Sci. Found, el. Colo: State Col, 60:6.1, M.A., 61; Nat. Sci. Found, fel. Colorado State, 60:61, 63; fel, Denver, 65:68, Ph.D. flugher ed, 68. Teacher pub. schs, Iowa, 58:59; instr, Denver Pub. Schs, 59:68, res. asst, 67:68; assoc, prof. math, KANS. STATE TEACHERS COL, 68:69, ASST. COORDINATOR RES. & GRANTS, 68: Dir. Proj. SEEK, State Ed. Eval, Kans. 69:70. Summers, instr. & lectr. State Dept. Ed, N.S., 67, consult, 68: Ed. Res. Asn. Educational research in curriculum and learner needs. Publ: Co-auth, Inventory of community social planning organizations, Denver metropolitan area, Metrop. Coun. Commun. Serv, 67 & State Educational Evaluation of Kansas, Report of Proj. SEEK, Kans. State Dept. Ed, 70. Address: Kansas State Teachers College, Emporia, Kans. 66801.
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- LAUR, DR. ROBERT JOHN, b. Traverse City, Mich, Jan. 26, 34; m. 56; c. 3. HEALTH SERVICES ADMINISTRATION. B.B.A. Minnesota, 58, M.Hosp. Admin, 69, Ph.D. (hosp. admin), 69, Methods analyst, Univ. Minn. Hosps. 56-58; admin. res, Fairview Hosps, Minneapolis, 59-60; instr. hosp. admin. Minnesota, 63-67; ASST. PROF. HEALTH SERV. MGT. MISSOURI-COLUMBIA, 67-, COORDINATOR, PRFNL. ED. 68-, planning coordinator health affairs. 67-68. Consult, health projs, Appalachia Regional Cmm, 68- Chem.C. U.S.A. 54-56. Hosp. Asn; Pub. Health Asn; Asn. Am. Med. Cols. Hospital governance and management; health economics. Publ. Hospitals and the research implosion: some guidelines for administrative action. Hosp. Admin. winter 68; co-auth, Health education planning game. ABT Assocs. Inc. 69 & Educational philosophy: University of Missouri-Kansas City Medical School, Mo. Med. 2/70. Address: Dept. of Health Service Management, University of Missouri-Columbia, 206 Clark, Columbia, Mo. 65201.
- LAUTERBACH, DR. ALBERT. Economics. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New information: Regional econ. adv. Latin Am. & Caribbean. Int. Labour Off, UN, 69-Address: Social Science Faculty, Sarah Lawrence College, Bronxville, N.Y. 10708.
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- LAYACH, DR. JOHN FRANCIS, b. Teaneck, N.J, Dec. 24, 36: m. 62; c. 1. EDUCATIONAL & DEVELOPMENTAL PSYCHOLOGY. B.A. Montclair State Col, 61; M.A. Fairleigh Dickinson, 65; Ed.D, Duke, 67. Instr., New Providence High Sch, 61-65; ASSOC. PROF. ED. PSYCHOL, COL. WILLIAM & MARY, 67. U.S. Dept. Health, Ed. & Welfare grant, 69: participant, Nat. Sci. Found. Summer Inst, Williams Col, 69 Consult, quan. phys. sci. proj. 67- U.S.A., 56-58. AASJ, Psychol. Asn. Human learning and motivation, particularly as influenced by emotional variables. Publ: Organization and evaluation of an inservice program in the history of science, J. Res. Sci. Teaching, 12/69; Current views of human intelligence, In: Modern trends in education, MacMillan, 70. Address: Dept. of Educational Psychology, College of William & Mary, Williamsburg, Va. 23185.
- LAVE, DR. JEAN CARTER, b. Champaign, Ill, Mar. 29, 39; m. 66. SOCIAL ANTHROPOLOGY. B. A. Stanford, 60; Woodrow Wilson fel, Harvard, 60-61, Nat. Sci. Found, fels, 61-65, Ph.D. (Social anthrop), 68; Nat. Sci. Found-Soc. Sci. Res. Coun-Fubright Cmn. travel grant, Brazil, 67-68. Instr. sociol. & anthrop, Wellesley Col., 66; ASST. PROF. ANTHROP, CALIFORNIA, IR-VINE, 66- Soc. Sci. Res. Coun. fel, 69-70. Emer. prof. Univ. São Luis, Brazil, 67-76. Anthrop, Asn. Econ. Asn. fel. Royal Anthrop. Inst. Ct. Brit. & Ireland. Social structure and comparative social structures among the Gê of central Brazil; statistical analysis of social-structural data. Publ: A formal analysis of preferential marriage with the sister's daughter, Man, J. Royal Anthrop. Inst. 68; Some suggestions for the interpretation of residence, descent and exogamy among the Eastern Timbira, Int. Cong. Americanists, (in press). Address: School of Social Sciences, University of California, Irvine, Calif. 92664.

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- LAVERTY, DR. S. G. Hertfordshire, Eng. Dec. 19, 22; m. 48; c. 2. PSY-CHOLOGICAL MEDICINE. B.S.C. Edinburgh, 44, M.B.Ch.B., 46; D.P. M. London, 56. Leetr, psychiat, Edinburgh, 58.-58; asst. prof. QUEENS (ONT), 58.-58; asst. prof. QUEENS (ONT), 59.-58; asst. prof. QUEENS (ONT), 59.-58; asst. prof. QUEENS (ONT), 59.-58; asst. prof. QUEENS (ONT), 59.-59; asst. prof. Queens (ONT), 5
- LAVIN, DR. MILTON LAMPL, b. Wichita, Kans, Jan. 14, 37; m. 69. ORGA-NIZATIONAL PSYCHOLOGY. Douglas Aircraft Co. fel, B.S. & S.M. Mass. Inst. Tech, 61, NASA Int. & Nat. Sci. Found. fels. & Ph.D. (orgn. psychol), 69. Staff scientist, Avco Rad, Mass, 62-64; ASST. PROF. ORGN. PSYCHOL, SLOAN SCH. MGT, MASS. INST. TECH, 69- Inst. Mgt. Sci. Decision making; research methodology; organizational design. Address: Dept. of Organizational Psychology, Sloan School of Management, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
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- LAWLESS, DEAN DAVID J, b. Victoria, B.C., June 1, 32; m. 58; c. 6. PSY-CHOLOGY. B.A, Assumption Univ, 57; M.A, British Columbia, 60; M.A, Birkbeck Col, Eng, 63; Ph.D. (psychol), London, 69. Lett. PSYCHOL, St. John's Col, 63-65, asst. prof. 65-67; ASSOC. PROF. MANITOBA, 67-, DEAN STUDIES, ST. JOHN'S COL, 68-, dean arts & sci, 68- Olive Beatrice Stanton Award, 68. Can. Psychol. Asn, Can. Asn. Adult Ed; Int. Asn. Appl. Psychol. Organizational psychology, the effectiveness of complex human organizations; social psychology, theories of personality. Publ. Leaders of immigrant and ethnic groups, Int. Migration, 64; Emigration of British graduates to Canada, Occup. Psychol, 65. Address: St. John's College University of Manitoba, Winnipeg 19, Man, Can.
- LAWLESS, DR. ROBERT W. b. Baytown, Tex, Feb. 13, 37; m. 58; c. 3. INDUSTRIAL ENGINEERING, STATISTICS. B.S. Houston, 64; U.S. Pub. Health Serv. fel. Fraxas A&M. 56-56; P.B.D. (Indust. eng.), 68. Res. technician, Monsanto Cc, 56-61, instrument engr., 61-65; res. engr., Tex. Transportation Inst, 66-67; instr. indust. eng. Texas A&M, 67-68, asst. prof. 68-69; ASSOC. PROF. QUANT. MOT. SCI. HOUSTON, 69- Consult, Tex. Hosp. Asn., 66-Statist. Asn. Opers. Res. Soc. Am; Instrument Soc. Am; Inst. Mgt. Sci. Optimum allocation of resources; system simulation and sensitivity analysis; maintainability and repliex systems; evaluation of subjective measures of merit. Publ. Co-auth, A gaming approach to the training of disaster recovery planners, Nat. Gaming Coun, 2/68; auth, Determination of resource allocations and the formation of decision sets for disaster situations as studied through simulation, Vol. 5, Report of Res. Grant CHOO191, 8/68; co-auth, Geometric programming: new optimization technique for water resource analysis, Am. Water Resources Asn, 11/68. Address: 1818 Mallard, Houston, Tex. 77043.
- LAWLISS, DR. G. FRANK, b. Stamford, Tex, Mar. 25, 40; m. 61; c. 3. PSY-CHOLOGY, B.S. Ed., North Texas State, 62, M. Ed, 65; Ph.D. (counseling psy-chol), Texas Tech, 88, Instr. math, Andrews Pub. Schs, 62-65; intern. clin. counseling; inst. rehab. med, sch. med, N.Y. Univ., 67-68; ASST. PROF. PSYCHOL, ARRANASA, 86-D. DR. RES. REHAB. RES. & TRANING CENTER 69-, sr. researcher, 68-69. Psychol. Asn. Group psychotherapy; alcoholism; chronically unemployed; multivariate statistics. Publ. Co-auth, Empirical research in group psychotherapy, in: Handbook of psychotherapy and behavior change, Wiley, (in press); auth, The chronically unemployed: vocationally immature?, Rehab. Res. & Practice Rev, fall 68; Motivational factors reflecting employment instability, J. Soc. Psychol, (in press). Address: 815 E Ash, Fayetteville, Ark. 72701.
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- LAWLOR, DR. WILLIAM DEANE, b. Oak Bluffs, Mass, Feb. 11, 35; m. 68. ECONOMICS, LAW. B.A, Northeastern, 57; Suffolk, 60; J.D, Georgetown, 67. Economist, off. prices & living conditions, bur. labor statist, U.S. Dept. Labor, Wash, D.C, 60-69; CUSTOMS LAW SPECIALIST, BUR. CUSTOMS, U.S. DEPT. TREAS, 69- U.S.A, 57-58, Capt. Bar Asn. Prices. Address: 1131 University Blvd. W, Silver Spring, Md. 20902.
- LAWRY, DR. JAMES VORIS. Neurophysiology, Neuroanatomy. See Suppl.V to 11th ed, Phys. & Biol. Vols.
- LAWS, DR. DUANE M, b. Provo, Utah, Apr. 27, 31; m. 53; c. 6. FAMILY RELATIONS, COUNSELING. B.A, Brigham Young, 58, M.A, 59; Ed. D. (family life, marriage counseling), Columbia, 64. Instr. family life ed, Brigham Young, 59-60; N.Y. Univ, 62-63; asst. prof. CHILD DEVELOP. & FAMILY RELS, BIRGHAM YOUNG, 64-66, ASSOC. PROF. & CHMN. DEPT, 66- Vis. prof. Eastern Michigan, 69-70. U.S.A, 53-56. Nat. Coun. Family Rels; Asn. Marriage Counse; Home Econ. Asn. Family life education at college level; dynamics of marital interaction. Address: 899 E. 2730 North, Provo, Utah 84601.
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- LAWTON, DR. MARCIA J(EAN). Child Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: With Arapahoe Ment. Health Center, Inc, 68- Address: 2512 S. University Blvd, Denver, Colo. 80210.
- LAWTON, PROF. SHERMAN P(AXTON), b. Muskegon, Mich, July 13, 08; m. 30; c. 2. SPEECH, ANTHROPOLOGY. A.B, Albion Col, 29; M.A, Michigan, 30; Ph.D. (speech), Wisconsin, 39. Instr. Eng. Bradley Polytech. Inst; 30-32; asst. instr. Wisconsin, 32-34, 38-39; dir. audio-visual aids, Stephens Col, 34-45; PROF. DRAMA & COORDINATOR BROADCASTING INSTR, OKLAHOMA, 45-, RES. ASSOC. ARCHAEOL, 55- Nat. Asn. Ed. Broadcasters. Audience measurement; broadcasting practices and trends; Plains archeology; Meso-American ethnology; audience demographics. Publ: Co-auth, Broadcasting: radio and television, 52 & auth, The modern broadcaster, 61, Harper: Mayan memories (film), privately produced, 69. Address: Dept. of Speech, University of Oklahoma, Norman, Okla. 73065.
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- LAZAR, DR. ROBERT, b. Chicago, Ill, Oct. 9, 40; m. 67. SOCIOLOGY. B.A. Northern Illinois, 62; M.A. Indiana, 64; Ph.D. Isociol), Minnesota, 68. ASST. PROF. SOCIOLS, Moorhead State Col., 66-99; NORTHERN LLINOIS, 69-Sociol. Asn, Acad. Polit. & Soc. Sci. Sociological theory; community. Address: Dept. of Sociology, Northern Illinois University, DeKali, Ill. 60115.
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- LAZARSFELD, PROF. PAUL F, b. Vienna, Austria, Feb. 13, 01; U.S. citizen; m. 43. POLITICAL SCIENCE. Ph.D. Vienna, 25; L.H.D, Yeshiva, 66; Ll.D, Chicago, 66 & Columbia, 70. Rockefeller Found, fet, 33.35; PROF. SOCIOL, COLUMBIA, 39- Vis. prof. Sorbome, 62-63, 67-68. Sociol. Asn.(past pres); Asn. Pub. Opinion Res; Nat. Acad. Ed. Publ: Co-auth, The cademic mind, Free Press, 58, The people's choice, Columbia, 3rd ed, 68 & Latent structure analysis, Houghton, 68. Address: Dept. of Sociology, Columbia University, New York, N.Y. 10027.
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- LEACH, DR. DAVID A(RTHUR). Experimental Psychology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
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- LeCLAIR, PROF. EDWARD E(MILE), JR. Anthropology. See 11th ed, Soc. & Behav. Vols, deceased 69.
- Behav. Vols, deceased 69.

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- LEDERER, PROF. IVO JOHN. Modern East European & Russian History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- LEDERER, DR. WALTHER. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Int. economist, U.S. Treasury Dept, 69- Address: Hunting Towers W, Apt. 262, Alexandria, Va. 22314.
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- atomic energy legis, U.S. Standards Inst. AAAS; Econ. Asn; Mgt. Asn; Astron. Soc; World Future Soc. Science and technology policy, planning and budgeting; national goals and priorities; allocation of federal resources; research and development trends in United States and abroad; economics of technological change; corporate planning; interface between social and physical-engineering sciences. Publ: Science policy and arms control, Armological control & Disarmament Agency, 68; An analysis of the allocation of federal budget resource as an indicator of national goals and priorities, Govt. Printing Gt. 68 R&D and antional goals and priorities; Proc. Trends in Sci. Prot., Prot. Sciences Battole Memorial Institute, 1755 Massachusetts Ave. N.W., Washington, D.C. 2008.
- LEE, DR. CARLETON, b. Clayton, N.C., Mar. 30, 13; m. 61; c. 1. RELIGION, SOCIOLOGY, B. A., Talladega Col, 33; M.A., Chicago, 35, Ph.D., 51; D.B. Chicago Theol. Sem, 37. Dir., relig. life, Dorchester Acad, 35-37; YMCA secy, South. Area Coun, 38-44; prof. philos. & relig. & dean, Morris Brown Col, 44-45; chaplain, Tuskegee Inst, 47-55; prof. philos. & relig, Tougaloo South. Christian Col, 55-57; Central State, 57-67; sociol, Cheyney State Col, 67-70; BLACK AMERICANA STUDIES, WESTERN MICHIGAN, 70- Kent fel, 49-50; fraternal worker, World Coun. Churches, W.Germany, 53-55; lectr. Emancipation Proclamation Centennial, Wayne State, 63. Asn. Study Negro Life & Hist. Race relations; religion in higher education; ethics and society. Address: Black Americana Studies, Western Michigan University, Kalamazoo, Mich. 49001.
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 agr. econ., 67; Cmt. Instin. Coop. travel scholar, Wisconsin, summer 66.

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 CONNECTICUT, 67- Ed. collab, Am. Statist. Asn, 69- Chinese Army,
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 techniques of classical and Bayesian statistical inference for the use of the

 passively generated economic data and their applications in agricultural

 economics. Publ. Co-auth, Estimating the parameters of the Markov prob
 ability model from aggregate time series data, North-Holland, Amsterdam

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- LEHMANN, DR. MICHAEL BOAS, b. New York, N.Y, Nov. 6, 41; m. 68; c. 1. ECONOMICS, ECONOMIC HISTORY. B.A., Grinnel Col., 62; Ph.D.(econ), Cornell, 63. ASST. PROF. ECON, SAN FRANCISCO, 66- Econ. Asn. American economic history. Address: Dept. of Economics, University of San Francisco, Sain Francisco, Calif. 9417.
- LEHMANN, PROF. WILLIAM C(HRISTIAN). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New publ: Henry Home Lord Kames and the Scottish enlightenment, M. Nijhoff, The Hague, 70. Address: 2200 19th St. N.W., Apt. 805, Washington, D.C. 20009.
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- LEIDING, DR. JAMES H(ERMAN). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: R.D. 1, Box 259A, East Stroudsburg, Pa. 13301
- LEIDY, DR. THOMAS R(OSS). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Mgr. advert. res, 68-, Coca Cola Co, P.O. Drawer 1734, Atlanta, Ga. 30301.
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- LEIGHTON, DR. RICHARD M. History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- LELJONHUFVUD, DR. AXEL S(TIG) (BENGT), b. Stockholm, Sweden, Sept. 6, 33; m. 55; c. 3. ECONOMICS. Fil. Kand, Lund, 60; M.A. Pittsburgh, 61; fel, Brookings Inst, 63-64; Ph.D. (econ), Northwestern, 67. Acting asst. prof. ECON, CALIFORNIA, LOS ANGELES, 64-66, lectr. 66-67, ASSOC. PROF. 67- Vis. prof. Stockhom Sch. Econ. & Commerce, 69. Swedish Army, 54-56, Res, 55-65, 1st Ll. Am. Econ. Asn; Swedish Nat. Econ. Soc. Economic theory, especially monetary theory; history of economic doctrines. Publ: On Keynesian economics and the economics of Keynes: a study in monetary theory, Oxford, 68; Keynes and the classics: two lectures, Inst. Econ. Affairs, 69; Keynes and the effectivens of monetary policy, West. Econ. J. 68. Address: Dept. of Economics, University of California, 405 Higard Ave, Los Angeles, Calif. 90024.
- LEIK, PROF. ROBERT K(ENDRIC), b. Dubuque, Iowa, Nov. 26, 30; m. 69. SOCIOLOGY. B.A., Oregon, 53; M.S., Wisconsin, 57, Kanap fel, 58-59, Ph.D. (sociol), 60. Asst. prof. SOCIOL, WASHINGTON (SEATTLE), 60-64, assoc. prof. 64-68, PROF. 68- Res. coordinator, Wash. Inst. Sociol. Res. 65-67, dir. 67-Consult, Puget Sound Govt. Conf. 62-63; Sociometry, 65-66; Stand-

- ford Res. Inst, 69- AAAS; Sociol. Asn; Nat. Coun. Family Rels; Soc. Exp. Social Psychol. Experimental social psychology; mathematical sociology; sociological statistics and research methodology; family. Publ: Co-auth, Deductions from axiomatic theory, 12/64 & A scale for developmental processes, 2/63, Am. Sociol. Rev; auth, The distribution of acts in small groups, Sociometry, 9/67; plus others. Address: Dept. of Sociology, University of Washington, Seattle, Wash. 98105.
- LEINFELLNER, PROF. WERNER. Philosophy. See 5th ed, Dir. Am. Schoiars, Vol. IV, Philos, Relig. & Law.
- LEININGER, DR. WILLIAM J(OSEPH). Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: V.pres, Opers. Res, Inc, 69-Address: 2015 Lanier Dr., Silver Spring, Md. 20910.
- LEISINGER, ALBERT H. American History. See 5th ed, Dir. Am. Scholars, Vol. I. Hist.
- LELAND, DR. HENRY. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. psychol, Ohio State, 70-; Chief psychol, Ment. Retardation Training Prog, 70- Address: Mental Retardation Training Program, 9 West Buttles Ave, Columbus, Ohio 43215.
- LELAND, DR. LOUIS S, JR, b. San Juan, P.R. Sept. 16, 41. PSYCHOLOGY. B.A. Maryland, 62; Ph.D. (bysychol). Tennessee, 69. Instr. PSYCHOL, Texas Christian, 68-69, asst. prof, 69-70; LECTR, MASSEY UNIV, 70- AAAS; Animal Behav. Soc. Animal behavior; imitation numerical concept and reversal learning. Publ: Empathic-imitative-observational learning in Peking ducklings, Psychonomic Bull, 67. Address: Dept. of Psychology, Massey University, Palmerston North, N.Z.
- LELONG, DR. DONALD C. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Office of Institutional Research, University of Michigan, 6060 Administration Bldg, Ann Arbor, Mich. 48104.
- LEMELIN, PROF. CHARLES. Economics. See 11th ed, Soc. & Behav. Vols, deceased 68.
- LeMELLE, DR. TILDEN J. Political Science, International Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. dir, 69-, Center on International Race Relations, Graduate School of International Studies, University of Denver, Denver, Colo. 80210.
- LEMESHOW, PROF. SEYMOUR. Education, Psychology. See L-Z Vol, 11th ed, 80c. & Behav. Vols. New position: Prof. Trenton State Col, 68- Address: 15 Bedford Rd, Kendall Park, N.J. 08824.
- LEMONS, DR. HOYT. Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Chief Scientist, 69-, U.S. Army Res. & Develop. Group, Europe, APO New York 09757.
- LENIHAN, DR. PATRICK M(INER), b. Omaha, Nebr, Aug. 26, 37; m. 60; c. 3. ECONOMICS. BA, Creighton, 59; Ph.D.(econ), Wisconsin, 68. Instr. ECON, Marquette, 62-67; ASST. PROF, EASTERN ILLINOIS, 67- Econ. Ass; indust. Rels. Res. Asn; Asn. Evolutionary Econ. Economic effects of minimum wage laws. Publ: A comment on wage adjustment and profit rates, indust. & Labor Rels. Rev. 4/70. Address; Dept. of Economics, Eastern Illinois University, Charleston, Ill. 61920.
- LENN, DR. THEODORE I. Sociology, Social Psychology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Consult. & res. sociologist, Theodore I. Lenn, Ph.D. & Assocs, 69- Address: 8 Fairway, West Hartford, Conn. 07117.
- LENTNEK, DR. BARRY, b. Brocklyn, N.Y, Dec. 14, 38; m. 60; c. 1. GEOG-RAPHY. A.B, City Univ. New York, 60, M.A, 61; fels, Hopkins, 61-62 & 64, Ph.D. (geog), 66. Teacher, jr. high sch, N.Y, 60; instr. CEOG, Essex Community Col, 62-63; sast, prof. Arizona, 64-65; ohio State, 65-70; ASSOC. PROF, STATE UNIV. N.Y. BUFFALO, 70- Teaching asst, Hopkins, 62-63; res. assoc, Natural Resources Inst, Ohio State, summer 65. Res. asst, Nat. Sci. Found, 63, prin. investr, 68-70. Chmn. exec. cmt, Conf. Latin Americanist Geogr, 69-70. Asn. Am. Geogr, 769-80; Res. and Conf. Latin Americanist Geography. Publ. Ed, Latin American geography: an agenda for the seventies, Ball State Univ. 71; auth, Transition from subsistence to commercial agriculture: A case study of El Lleno, Aguas Callentes, Mexico, Ann. Asn. Am. Geogr, 3/69; co-auth, Spatial behavior in recreational boating: a case study in Ohio, J. Leisure Res, spring 69. Address: Dept. of Geography, State University of New York, at Buffalo, Amherst, N.Y. 14226.
- LEONARD, PROF. GEORGE EDWARD, b. Pittsfield, Mass, Nov. 12, 31; m. 61; c. 2. PSYCHOLOGY. B.S., Mass. State Col., 53; M.A., Columbia, 54, Ed.D. (counseling), 60. Asst. prof. PSYCHOL, Long Island, 56-60; Kent State, 60-62; PROF. WAYNE STATE, 62- Psychol. Asn, Nat. Voc. Guid. Asn. Psychology and counseling of inner city youth. Publ: Co-auth, The elementary counselor, Savorand, 67; auth, Developmental career guidance, Wayne State Univ. 68; co-auth, The authentic counselor, Prentice-Hall, 71. Address: Dept. of Psychology, Wayne State University, Detroit, Mich. 48702.
- LEONARD, PROF. JOHN W. b. Yonkers, N.Y. May 22, 19; m. 43. BCONOMICS, INDUSTRIAL & LABOR RELATIONS. B.S. Arizona, 52, M.A., 55; Burt Wilder fel, Cornell, 54, Ph.D. Indust. & labor rels), 58. Asst. prof. econ, Arizona, 57-80, assoc. prof. 60-64, prof. 64-69, dir. inst. indust. & labor rels, 61-69; PROF. ECON, SOUTHERN ILLINOIS, 69- Mem, Nat. Panel of Arbitrators, Fed. Mediation & Conciliation Serv. & Am. Arbit. Ass., 61-3 app, Pub. Employ. Disputes Settlement Panel, Wash, D.C., 69- U.S.A.A.F., 42-46, S/Sgt. Nat. Acad. Arbit; Econ. Asst; Indust. Rels. Res. Ass., Ass., Evolutionary Econ. Collective bargaining and dispute settlement in the public sector and various aspects of arbitration in public and private sectors; manpower and labor market problems in the urban setting. Publ: Dismissal for off-the-job criminal behavior, 11/67 & Discipline for off-the-job activities, 10/68, Monthly Labor Rev; Guidelines for off-the-job disci-

- pline and discharge, Personnel Admin, 11-12/69. Address: Dept. of Economics, Southern Illinois University, Edwardsville, Ill. 62025.
- LEONARD, DR. LOUISE C(ARRELL). Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Coordinator practicum, univ. counseling center, Wisconsin, Madison, 68- Address: 5130 Juneau Rd, Madison, Wis. 53705.
- LEONE, DR. MARK P, b. Waltham, Mass, June 26, 40. ANTHROPOLOGY, ARCHAEOLOGY, A.B., Tufts, 63, M.A., Arizona, 55, Ph.D. (anthrop), 68; Harvard, 65-66. ASST. PROF. ANTHROP, PRINCETON, 68-Comt. res. soc. scl. & humanities grant, Princeton, 69, univ. res. 64, grant, 70. Asst. dir, Southwest archaeol. exp, Field Mus. Natural Hist, 67-69. AAS; Anthrop. Asn; Soc. Am. Archaeol, Archaeol. Inst. Am. Southwestern archaeology and ecology; cultural evolution. Publ. Neolithic economic autonomy and social distance, Science, 12/68. Address: Program in Anthropology, Princeton University, Princeton, N.J. 08540.
- LEONHARD, DR. DIETRICH L(OUIS). Business Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dietz Leonhard Corp, 410 N. Michigan Ave, Chicago, III. 60610.
- LEONS, DR. MADELINE BARBARA, b. New York, N.Y., Aug. 27, 38; m. 60; c. 2. SOCIAL ANTHROPOLOGY. B.A, Brandeis, 59; fels, California, Los Angeles, 59-80 & 63-65, M.A, 62, Ph. D. 66. Instr. ANTHROP, Southern California, 65-66; ASST. PROF, PITTSBURGH, 66- Nat. Sci. Found. res. grant, 68-69. Fel. Anthrop. Asn. Bolivia; social stratification and pluralism; peasant economics. Publ: Land reform in the Bolivian Yungas, Am. Indígena, 10/67; Stratification and pluralism in the Bolivian Yungas, In: The social anthropology of Latin America: essays in honor of Raiph Leon Beals, Univ. Calif, 70; co-auth, Agrarian reform and economic change in Nor Yungas, Boliva, In: Bolivia since the revolution, Univ. Pittsburgh (in press). Address: Dept. of Anthropology, University of Pittsburgh, Pittsburgh, Pa.
- LEPPER, DR. MARY K, b. Philadelphia, Miss, June 12, 30; m. 47; c. 2. PO-LITICAL SCIENCE, COMPARATIVE POLITICS. B.-A, Calif. State Col. Fullerton, 61; Ph.D. (govl), Fla. State, 66. ASST. PROF. POLIT. SCI, CALIF. STATE COL. FULLERTON, 65- Participant, Off. Ed. Univ. California, Los Angeles African Studies Summer Inst, 68-69. Polit. Sci. Asn; African Studies Asn. Foreign policy formulation; relations between state and defense; role of interest groups in foreign policy formulation: opilitical communication in Africa. Publ: Foreign policy formulation: demands and supports, C.E. Merrill, 70; co-auth, Framework of American politics, Wiley, 70; auth, Analytic methods in comparative politics, Prentice-Hall, 71. Address: Dept. of Political Science, California State College at Fullerton, 800 N. State College Blvd, Fullerton, Calif. 32631.
- LEPPMANN, DR. PETER K. Experimental Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- LERMAN, DR. JAY WILLIAM, b. Philadelphia, Pa, May 29, 29; m. 54; c. 3. SPEECH PATHOLOGY, AUDIOLOGY, B.A, Temple, 55, M.A, 57; Ph.D. (speech), Pittsburgh, 61. Instr. SPEECH, Pittsburgh, 60-61, asst, prof. CONNECTICUT, 61-65, ASSOC. PROF, 65- Lectr, Columbia Univ, 64 & 66; Dept. Health, Ed. & Welfare res. proj. grant, Utrecht, Netherlands, 68-69. Dir, speech & hearing ed, Newington Hosp. for Crippled Children, Conn, 61-U.S.A.F, 46-49, Sgt. Speech & Hearing Asn. (Jound. award, 60); Cleft Palate Asn. Stuttering; laryngectomy. Publ: Co-auth, The effect of situational difficulty on stuttering, J. Speech & Hearing Res, 9/65; auth, Alryngeal voice production, Conn. Med. 4/66; co-auth, Hearing-aid usage and its effect upon residual hearing, Arch. Otolaryngol. 12/67. Address: Dept. of Speech, University of Connecticut, Storrs, Conn. 06268.
- LERMER, DR. GEORGE, b. Luckj, Poland, Oct. 18, 39: Can. citizen: m. 63; c. 4. ECONOMICS. B.Sc, Mass. Inst. Tech, 60; Ford Found. fel, Pennsylvania, 61-62; M.A. McGill, 63, Ph.D. (lecon), 70; Can. Coun. fel, London Sch. Econ, 69-70. Asst. prof. econ. theory, Ont. Agr. Col, Univ. Toronto, 62-63; instr. ECON, British Columbia, 63-64; sessional lectr, SIR GEORG WILLLAMS, 64-65, asst. prof. 65-69, ASSOC. PROF, 69- Dynamic general equilibrium models. Publ; Co-auth, Canadiam money and banking, 2nd ed, McGraw, 69; auth, Dynamic analysis of the Walrasian Tátonnement, Can. Econ. J, 8/70. Address: Dept. of Economics, Sir George Williams University, Montreal, Que, Can.
- LESAR, DR. DAVID J, b. Cass Lake, Minn, Apr. 10, 37; m. 61; c. 1. COUN-SELING PSYCHOLOGY. B.S, St. Cloud State Col, 60, M.S, 64; Nat. Defense Ed. Act Inst, Missouri, 63-64; Ed.D.(counseling psychol), Indiana, 67. Prin, Wales High School, 60-61; sch. counsr, McGregor High School, 62-63; counsr, Northern Illinois, 64-66; vis. lectr, Indiana, 66; ASSOC. PROF. PSYCHOL, ST. CLOUD STATE COL, 67- Sensitivity trainer, Wichita Univ, summer 69; ed. & counseling consult, Minn. Dept. Employ. Security, 68-Ed. Research Asn, Personnel & Guid. Asn. Publ: Criteria administrators use in selection of counselors, Sch. Counsr, 9/69 & GATB psychomotor performance by rehabilitation clients with psychotic and neurotic histories. Rehab. Bull, winter 70. Address: Dept. of Psychology, St. Cloud State College, St. Cloud, Minn. 56301.
- LESHNER, DR. MARTIN. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. Temple, 70-, dir. training, 69- Address: Temple University Health Science Center, Philadelphia, Pa. 19140.
- LESHNER, PROF. SAUL S. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. mgt, sch. bus. admin, 70- Address: 7 Loucroft Rd, Haddon Heights, N.J. 08035.
- LESLIE, PROF. GERALD R(ONNELL). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 2015 N.W. 27th St, Gainesville, Fla. 32601.
- LESTER, DR. DAVID, b. London, Eng. June 1, 42; m. 67. PSYCHOLOGY. B.A. Cambridge, 64, M.A., 68; M.A. Brandeis, 66, Ph.D. (psychol), 68. Instr

- psychol, Wellesley Col, 67-68, asst. prof, 68-69; RES. DIR, SUICIDE PREV & CRISIS SERV, 69- Nat. Inst. Ment. Health res, grant, 67-68. AAAS; Asn. Suicidology. Suicide death; curiosity, exploratory behavior; methodology in psychology. Publ: Explorations in exploration, Van Nostrand, 69; Experimental and correlational studies of the fear of death, Psychol. Bull, 67 & Suicidal behavior in men and women, Ment. Hyg, 69. Address: 45 Brantford Place, Buffalo. N.Y., 14222.
- LESTER, DR. GENE ALICE. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. prof, 69-, Dept. of Psychology, State University of New York College at Buffalo, 1300 Elmwood Ave, Buffalo, N.Y. 14222.
- LESTER, DR. ROBERT CARLTON. Comparative Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- LESTER, DR. W. BERNARD, b. Havana, Fla, Jan. 9, 39; m. 61; c. 1. AGRI-CULTURAL ECONOMICS. B.S.A. Florida, 61, M.S.A. 62; Ph.D. (agr. econ), Texas A&M, 65. Agr. economist, Fla. Girtus Cmn, 67-68, DIR. ECON. RES. DEPT, FLA. DEPT. CITRUS, 69-U.S.A.R. 56-59. Agr. Econ. Asn. Mkt. Asn. Economic and market development research for agricultural commodities utilizing experimental designs, consumer surveys and analysis of secondary data to provide industry groups specific recommendations. Publ: Florida citrus in a changing environment—have you bought a new rule book?, Citrus Indust, 2/69; Imports and exports—implications for the Florida citrus grower, 4/69 & The effect of size and type of display on sales of fresh Florida oranges, 9/69, Fla. Citrus Cmn. Address: Economic Research Department, 1107 McCarty Hall, University of Florida cianesville, Fla. 32601.
- LETCHWORTH, DR. GEORGE ALLEN, b. Liberty, Mo, Jan. 20, 40; m. 64. SOCIAL PSYCHOLOGY. B.A. Oklahoma Baptist, 62; M.S. Oklahoma, 65, Ph.D. (psychol), 68. Asst. teaching, Oklahoma, 65 & 66, res. asst. res. inst, 65-66, res. specialist, div. voc. rehab, 66-67; ASST. PROF. TEACHING, Oklahoma Baptist, 67-69; OKLAHOMA, 69-Psychol. Asn, Sociol. Asn; Ed. Res. Asn. Teacher mobility and retention; factors underlying discipline decisions; classroom interaction. Publ: Co-auth, Achievement motivation and ordinal position of birth, Psychol. Reports, 68. Address: University of Oklahoma College of Education, Norman, Okla. 73069.
- LETOURNEAU. DR. JACQUES E, b. Montreal, Que, Sept. 19, 33; m. 66; c. 1.
 PSYCHOLOGY. B.A, Montreal, 53, Ph.D.(psychol), 64. Asst. prof. PSY-CHOL, SCH. OPTOM, MONTREAL, 63-69, ASSOC. PROF, 69- Fel. AAAS; 161. Acad. Optom; Int. Asn. Appl. Psychol. Visual perception; developmental psychology. Publ. Effets de l'anhydride sulfureux sur la vision scotopique, 33: 46 & Représentation spatiale et succès en géomètrie descriptive, 33: 50, Ann. French-Can. Asn. Adv. Sci; The effect of auditory stimulation on visual sensitivity to red and green, Am. J. Optom, 44: 677. Address: 1279 Chameran, Montreal 380, Que, Can.
- LETWIN, DR. W(ILLIAM) L(OUIS). Economic History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- LEUTHOLD, DR. CARL A(RTHUR). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 917 Lemonweir Pkwy, Tomah, Wis. 54660.
- LEVAN, PROF. PAUL E, b. Reading, Pa, Dec. 9, 29; m. 51; c. 1. PSYCHOLOGY. B.S. Albright Col., 51; M.A. Columbia, 58; summer, Pennsylvania, 60. AS-SOC, PROF. SOC. SCI. 6 CHMN. DEPT, ROCHESTER INST. TECH, 58-Lectr, Highland Hosp, 59-61. U.S.A.F, 51-55. Psychol. Asn. Physiological and abnormal psychology; theories of personality. Address: 11 Knolltop Dr. Rochester, N.Y. 14610.
- LEVANTROSSER, DR. WILLIAM F(REDERICK). Political Science. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New information: Also chmn, 69-, Dept. of Political Science, Hofstra University, Hempstead, N.Y. 11550.
- LEVENSON, DR. MYRON H. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Alas chmn, 69-, Dept. of Sociology & Anthropology, Indiana University of Pennsylvania, Indiana, Pa. 15701.
- LEVENTMAN, DR. SEYMOUR. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 68-, Dept. of Sociology, Boston College, Chestrut Hill, Mass. 02160.
- LEVERIDGE, PROF. DON R. b. New York, N.Y. Aug. 2, 18; m. 45; c. 2. SO-CIAL PSYCHOLOGY, BEHAVIORAL SCIENCE. B.A. Chicago, 41; M.A. & Ed.D. Columbia, 51. Dir. ed, N.Y. region, Nat. Conf. Christians & Jews, 48-50; packinghouse workers; Congress Indust. Orgn, 51-53; asst. prof. group dynamics, felis group dynamics center, Temple, 53-58; coordinator faculty studies, Goddard Col., 55-58; prof. ed. sociol. & psychol, Keene State Col., 58-63; prof. 80c. psychol. & appl. behav. sci. & asst. dir. lab., appl. behav. sci., Newark State Col., 63-65; PROF. SCOIOL, EAST. CONN. STATE COL., 66- Consult, Am. Mgt. Asn, 57-67; Univ. Connecticut, 66-; Community Progress New Haven, 68- U.S.A, 42-44, St. Asn. Higher Ed. Applied behavioral science; improvement of college instruction; human relations laboratory training; community study and development; and-poverty programs. Publ: Co-auth, A framework for research in human relations, Fels Group Dynamics Center, 55; auth, The college as a laboratory, J. Group Psychoter, 3/57. Address: Dept. of Sociology, Eastern Connecticut State College, Williamantic, Conn. 68226.
- LEVI, PROF. ISAAC. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- LEVI, PROF. WERNER. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Political Science, University of Hawaii, 2500 Campus Rd, Honolulu, Hawaii 98622.
- LEVIN, DR. GILBERT, b. Detroit, Mich, Jan. 19, 35; m. 67. PSYCHOLOGY. B.A, Michigan, 56; M.A, Boston, 58, U.S. Pub. Health Serv. fel, 58-61, Ph.D.

- (clin. psychol), 61. Instr. psychol, Carnegie Inst. Tech, 61-62; sr. proj. dir consumer res, Market Planning Corp., 62-63; instr. PSYCHIAT, ALBERT EINSTEIN COL. MED, 63-64, ASST. PROF, 64- Assoc. dir, Sound-View-Throgs Neck Community Ment. Health Center, 67-69; prin. investr, Nat. Inst. Ment. Health grant, 69- Nat. Training Labs; Psychol. Asn, Group Psychother. Asn. Policy research in the organization and utilization of community health and mental health services. Publ: Communicator-communicati approach to family interaction research, Family Process, 66; co-auch, System intervention in a community-school conflict, J. Appl. Behav. Sci., 16; Planning and developing the locus of care, In: The practice of community mental health, Little, 70. Address: 127 W. 95th St, New York, N. Y. 10025.
- LEVIN, DR. HERMAN I(VAN). Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Practicing clin. psychologist, 69-Address: 2519 N. Ocean Blvd, Apt. 311, Boca Raton, Fla. 3432.
- LEVIN, DR. JACK, b. New Orleans, La, June 28, 41; m. 64; c. 2. SOCIOL-OGY, SOCIAL PSYCHOLOGY. B.A, Am. Int. Col, 63; M.Sc, Boston, 65, Ph.D. (Sociol), 68. ASST. PROF. sociol, BOSTON, 68-69, COMMUN. RES, 69- Grant, President's Cmn. Pornography & Obscenity, 69-70. Consult, Boston Redevelop. Authority, 68-69; Law & Poverty Proj, Boston Univ, 68. Center for Criminal Justice, 69- AAAS; Sociol. Asn: Soc. Study Social Prob. Prejudice and aggression; reference groups and social comparison, criminal justice; attitudes; generation gap; public housing; mass communication; helping behavior. Publ; Co-auth, Differential effects of complementary and competing variables in primacy-recency, J. Soc. Psychol, 66, Role distance in Negro and majority fiction, Journalism Quart, 66 & Bureaucracy and the socially handicapped: a study of the lower-status tenant in public housing, Sociol. & Soc. Res, 1/70. Address: Communication Research Center, Boston University, 640 Commonwealth Ave, Boston, Mass. 02215.
- LEVIN, DR. JOEL R. b. Newark, N.J. Dec. 24, 42; m. 67. EDUCATIONAL PSYCHOLOGY. A.B. Califormia, Berkeley, 64, M.A., 66; P.D.I. (od. psychol), 69. ASST. PROF. ED. PSYCHOL, WISCONSIN, MADISON & PRIN. INVESTIR. SATELLITE PROG. WIS. RES. & DEVELOP. CENTER FOR COONITIVE LEARNING, 69- Ed. consult. & prog. evaluator, 69- Psychol. Asn; Ed. Res. Asn. Children's learning; research design and analysis in education. Publ: Appropriate post hoc comparisons for interaction and nested hypotheses in analysis of variance designs: the elimination of type IV errors, Am. Ed. Res. J. 5/70; auth, Verbal organizations and the facilitation of serial learning, J. Ed. Psychol, 4/70; Elaboration preferences and differences in learning proficiency, In: Vol. 2, Cognitive studies, Brunner/Mazel, (in press). Address: 1404 Regent St, Madison, Wis. S3711.
- LEVIN, PROF. RICHARD IVOR, b. Philadelphia, Pa, Mar. 10, 30; m. 51; c. 3. BUSINESS ADMINISTRATION, INDUSTRIAL ENGINEERING. B.S, N.C. State, 51, M.S, 53; Ph.D. (bus. admin), North Carolina, Chapel Hill, 59. Engr., United Mills Corp. Div., Gien Adden Mills, 51-52; instr. Indust. eng. N.C. State, 51-52; lectr. BUS. ADMIN. North Carolina, 53-55, asst. prof, 57-62, assoc. prof, 62-65; vis. prof, Middle East Tech, Ankara, 66-67; PROF, NORTH CAROLINA, 67- Consult, Ministries of Agr. Ed, Labor & Housing, Turkey & Indust. Col. Armed Forces, 66-67. U.S.A.F, 55-57, Capt. Inst. Mgt. Sci; Inst. Indust. Eng; Soc. Adv. Mgt. Managerial behavior using management gaming and simulation; constraints to effective utilization of information systems and operations research in formal organizations; research in educational technology. Publ: Co-auth, Quantitative approaches to management, McGraw, 65, Linear programming for management decisions, Irwin, 69 & Theory of games and strategies, Int. Bk. Co, 69. Address: 2131 N. Lakeshore Drive, Chapel Hill, N.C. 27514.
- LEVIN, PROF. S(AMUEL) M(ORDECAI). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 29143 Evergreen Rd, Southfield, Mich. 48075.
- LEVIN, DR. SAUL M(ICHAEL). Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Psychology, University of Delaware, Newark, Del. 19711.
- LEVINE, DR. ARTHUR LOUIS, b. Cleveland, Ohio, Nov. 23, 29; m. 49; c. 2. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. A.B., Western Reserve, 50, A.M., 52; Ph.D. (govt), Columbia, 63. Asst. civil serv. exam. Civil Serv. Cmm, Cleveland, 52-53; lectr. polit. sci. City Col. New York, 54-55; res. asst, Am. Fedn. State, County & Munic. Employees, 55; supvr. tech. recruting, Lewis Flight Propulsion Lab, Nat. Adv. Cmn. Aeronau, 55-58, mgr. & res. staffer, Lewis Res. Center, NASA, 58-61, EXEC. OFFICER, GODDARD INST. SPACE STUDIES, 61 Lectr, Western Reserve, 52 & 56-61; Adelphi, 64; Hunter Col, 64-65; Baruch Col, City Univ. New York, 65-; lectr. & co-ordinator course on man & space, sch. continuing ed, N.Y. Univ, 68. Soc. Pub. Admin, Polit. Sci. Asn. Relationship of government to science; administration of science and technology; training for public administration. Publ: The creations of NACA and NASA, Am. Inst. Aeronau. & Astronaut, 67; co-auth, Obstacles to better administration of science, New York Metrop. Chap, Am. Soc. Pub. Admin, 68; ed, Educational opportunities in public administration: a directory for the New York City area, Am. Soc. Pub. Admin, 68. Address: 463 Dunster Ct, West Hempstead, N.Y. 11552.
- LEVINE, DR. CONALEE. Psychology. See LEVINE-SHNEIDMAN, this Suppl.
- LEVINE, DR. DAVID L(AWRENCE). Social Welfare, Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & proj. dir, 69-, School of Social Work, University of Georgia, Athens, Ga. 30601.
- LEVINE, PROF. E. LESTER, b. Amasa, Mich, May 13, 33. POLITICAL SCIENCE. B.A, Wisconsin, 55, M.A, 56; Chicago, 57-59. Res. asst. polit. sct, Wisconsin, Madison, 54-55; instr. Octidental Col, 59-62; dir. Assembly Legis. Reference Serv, Calif. State Legis, 62-65, consult, Joint Legis. Rettrement Cmt, 66; prog. planning analyst, Off. Prog. Planning & Eval, U.S. Off. Ed, 66-67; res. dir. President's Coun. Youth Opportunity, 67-68; ASSOC. PROF. GOVT, POLIT. RES. INST, FLA. STATE, 68- Lectr. polit sci, California, Davis, 53-64; assoc. dir., Polit. Res. Inst, Fla. State, 68-69, dir., 69-

- Mem. adv. cmt, Wis. Div. Children & Youth, 49-52; exec. cmt, Wis. Gov. Cmt. Children & Youth, 51-55. Accompanying witness, Nat. Adv. Cmn. Civil Disorders, Nov. 68; del, Midcentury White House Conf. Children & Youth, 50. U.S.A, 55-57, 1st Lt. Polit. Sci. Asr, Soc. Pub. Admin. American government, particularly decision-making; public opinion and parties; state legislatures. Publ: Co-ed, Cooperation and conflict readings in American federalism, F.E. Peacock, 69; auth, The 1969 Florida legislature: a new constitution and new procedures, Fla. State Univ, 69; co-auth, Marijuana use, social deviance and political alienation, Am. Polit. Sci. Rev, 3/71. Address: 620 Bellamy, Florida State University, Tallahassee, Fla. 32306.
- LEVINE, DR. FREDRIC M, b. New York, N.Y. May 20, 37; m. 65; c. 1. CLIN-ICAL & EXPERIMENTAL PSYCHOPATHOLOGY. B.A. City Col. New York, 61; M.A. Northwestern, 63; Ph.D. (psychol), 65. Res. assoc. PSYCHOL, Harvard Med. Sch, 65-67; ASST. PROF, STATE UNIV. N.Y. STONY BROOK, 67. U.S.A., 56-58. Psychol. Asn; Soc. Psychophysiol. Res. Experimental approaches to schizophrenia; behavioral, psychophysiological and pharmacological research in schizophrenia. Address: Dept. of Psychology, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.
- LEVINE, DR. MARTIN S(TANLEY). Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, School of Social Work, Portland State University, Portland, Ore. 97207.
- LEVINE, PROF. MURRAY, b. Brooklyn, N.Y, Feb. 24, 28; m. 51; c. 2. PSY-CHOLOGY, B.S.S, City Col. New York, 49; M.A. Pennsylvania, 51, Ph.D. (psychol), 54. Clin. psychologist, Vet. Admin, 49-56; Deverew Schs, 56-63; asst. prof. psychol, Yale, 63-64, assoc. prof. 64-68; PROF. PSYCHOL. & DIR. CLIN. TRAINING, STATE UNIV. N.Y. BUFFALO, 68- Consult. Community Progress, Inc. Conn, 63-68; Vet. Admin, 63- U.S.A, 47-48. Psychol. Asn, Orthopsychiat. Asn. Community psychology; social history of clinical services; education and social change. Publ: Co-auth, Rorschach index of repressive style, C.C. Thomas, 64, Psychology in community settings, Wiley, 66 & Social history of helping services: clinic, court, school and community, Appleton, 70; plus others. Address: Dept. of Psychology, State University of New York at Buffalo, Buffalo, N.Y. 14214.
- LEVINE, DR. RICHARD C(ARL). Electrical Engineering. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- LEVINE, PROF. SOLOMON B(ERNARD). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. econ. & bus, 69-, University of Wisconsin, 1440 Van Hise Hall, Madison, Wis. 53706.
- LE VINE, PROF. VICTOR T(HEODORE). Political Science. See L–Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & head, 69-, Dept. of Political Science, University of Ghana, P.O. Box 64, Legon, Ghana.
- LEVINE-SHNEIDMAN, DR. CONALEE, b. Brooklyn, N.Y. Feb. 22, 30; m. 61. PSYCHOLOGY. B.A, Brooklyn Col., 51, univ. fel., 51-52; M.A, N.Y. Univ, 53, univ. & U.S. Pub. Health Serv. fels, 58-59, Ph.D. (psychol), 59, cert, psychother. & psychoanal, 61 & 67. Psycnol. intern, Jewish Yoc. Serv, 52-53; head dept. psychol, N.Y. League Hard of Hearing, 53-55; psychologist, Riverside Hosp, 55-58; asst. prof. psychol, Rutgers, 58-59; Farbleigh Dickinson, 59-64; asst. prof. GUID, N.Y. UNIV, 64-68, ASSOC. PROF. 68-Sr. Psycholest & consult, Lincoln Inst. Psychother, 59-61; private practice, 59- Psychol. Asn. Personality organization; psychological causes and treatment of drug addiction; psychoanalysis. Address: 161 W. 86th St, New York, N.Y. 10024.
- LEVINGER, PROF. GEORGE. Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Dept. of Psychology, University of Massachusetts, Amherst, Mass. 01002.
- LEVISON, DR. CATHRYN A(DAMSKY). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 68-, Dept. of Psychiatry, 950 E. 59th St, Chicago, Ill. 60637.
- LEVIT, DR. HERBERT I(RVING). Clinical Psychology. See L.-Z Vol., 11th ed, Soc. & Behav. Vols. New position: Asst. dir. prog. develop, training & res, 69-, Woodville State Hospital, Box 455, Carnegie, Pa. 15106.
- LEVITT, DR. HERBERT S(IDNEY). Clinical Psychology. See L.-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Prof. psychol, Pitzer Col, 69-; prof. counseling, Calif. State Col. Los Angeles, 69- Address: Counseling Center, California State College at Los Angeles, Los Angeles, Calif. 90032.
- LEVITT, DR. ROBERT A(LAN). Physiological Psychology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- LEVY, DR. ALBERT G(UNTER) D(AVID). Political Science, Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Pres, Albert Levy Assocs, Inc, 68- Address: Consultants in Public Administration & Economic Planning, 9702 Forest Glen Court, Silver Spring, Md. 20910.
- LEVY, DR. ARTHUR B, b. Toronto, Ont, June 5, 40; m. 64; c. 2. POLITICAL SCIENCE. B.A, Toronto, 63, Inst. Citizenship & univ. fels. & M.A. 65; univ. fels. & M.A. 65; univ. fels. & Ph.O. Ipolit. sci), Harvard, 69, Vis. lectr. govt, Boston, 68-89; ASST. PROF. POLIT. SCI, TULANE, 69- Polit. Sci. Asn. United States Congress and Presidency; public policy and administration. Address: Dept. of Political Science, Tulane University, New Orleans, La. 70118.
- LEVY, DR. EDWIN Z, b. Highland Park, Ill, Nov. 19, 29; m. 51; c. 3. CLINI-CAL & CHILD PSYCHIATRY, PSYCHOANALYSIS. B.S, Northwestern, 51, M.S, 53, M.D, 54; grad, Topeka Inst. Psychoanal, 70. Intern int med, second med. div. Bellevue Hosp, Cornell, 3-55, res. pediat, children's med. div, 55-56; res. psychiatrisis aero-med. lab, Wright Air Develop. Center, Wright Patterson Air Force Base, 57-59; res. psychiat, Vet. Admin. Hosp. Topeka, Kans, 56-578 93-60; fel, child psychol, MENNINGER CLIN, 60-62.

- STAFF PSYCHIATRIST, 62-, MEM. FACULTY, MENNINGER SCH. PSYCHIAT, 64- Nat. Inst. Ment. Health career develop. award psychiat, Menninger Clin, 63-67. Med.C, U.S.A.F, 57-59, Capt. Fel, Psychiat. Asn, fel. Col. Physicians; fel. Orthopsychiat. Asn. Clinical psychiatry; psychoanalysis with children and adults; skin resistance; human isolation; space psychiatry; residential treatment of emotionally disturbed children and adolescents and follow-up research. Publ: Co-auth, Psychiatric research in space medicine, Am. J. Psychol, 3/59; auth, On the residential treatment of adolescent girls, Sem. Psychiat, 2/69; Long term follow up of former inpatients at the Children's Hospital of the Menninger Clinic, Am. J. Psychiat, 6/69. Address: Box 829, Menninger Clinic, Topeka, Kans. 66601.
- LEVY, DR. LEO. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. prof. prev. med. & community health, med. center, Illinois, 69- Address: 522, 8. Hyde Park Blyd, Chicago, Ill. 60615.
- LEVY, DR. MICHAEL E(RNST). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. econ. policy res, Nat. Indust. Conf. Bd, 69-Address: 90 Morningside Dr, Apt. 22B, New York, N.Y. 10027.
- LEVY, PROF. NATHAN, JR. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- LEVY, PROF. ROBERT ISAAC. Psychiatry, Psychological Anthropology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. 69-, Dept. of Anthropology, University of California, San Diego, La Jolla, Calif. 92037.
- LEVY, DR. ROBERT M(ICHAEL), b. Lynbrook, N.Y., Mar. 8, 40; m. 64; c. 2. PSYCHOLOGY. B.A, New Sch. Social Res, 63; M.A, Connecticut, 65, Ph.D. (exp. psychol), 67. Sr. res. psychologist, elec. boat div., Gen. Dynamics Corp., 67-68; ASST. PROF. PSYCHOL., RDIANA STATE, 68- Psychol. Asn; Inst. Elec. & Electronics Eng. Information processing; signal-election; man-computer systems. Publ: Co-auth, Alphabet size, implicit coding and the memory span, Proc. Am. Psychol. Asn. Convention, 68, Operator behavior in a dynamic visual signal detection task, J. Perception & Psychophys, 68 & An Analysis of the combination of perceptual dimensions, Psychol. Bull, 70. Address: Dept. of Psychology, Indiana State University, Terre Haute, Ind. 47809.
- LEVY, DR. STANLEY ROY, b. Brooklyn, N.Y, July 19, 34; m. 63; c. 2. COUN-SELING, EDUCATION. B.A, Michigan, 55, M.A. 59, Ph.D.(ed), 64. Asst. to assoc. dean col. lit, sci. & arts, Michigan, 59-64; asst. prof. guid. & personnel & assoc. dean, Cornell, 64-68; ASST. PROF. HIGHER ED. & ASSOC. DEAN STUDENTS, ILLINOIS-URBANA, 68-Lectr, col. ed, State Univ. N.Y. Albany, 68. U.S.A. 55-67, 1st Lt. Student performance, attitudes and values; change agents and means; organization and administration in higher education. Address: 2316 Southmoor Dr, Champaign, III. 61820.
- LEWICKI, DR. ROY JAMES, b. Brooklyn, N.Y. Nov. 28, 42; m. 69. SOCIAL PSYCHOLOGY. B.A. Ďartmouth Col. 64; Nat. Sci. Found. & Nat. Inst. Ment. Health fels, Columbia, 65-68; P.D. (Dsychol), 69. ASST. PROF. ADMIN. SCI. & PSYCHOL, YALE, 68- Psychol. Asn; Soc. Psychol. Study Social Issues. Social psychology of social conflict; group dynamics; organizational effectiveness and change. Publ: Co-auth, Strategies of social intervention, Free Press, 71. Address: Dept. of Administrative Sciences, Yale University, New Haven, Conn. 06520.
- LEWINSKI, DR. ROBERT JOHN. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 899 Bexley Dr, Perrysburg, Ohio 43551.
- LEWIS, PROF. C(LARENCE) GLENN. Business Law, Real Estate. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. Publ: Real estate appraisal and problems, Univ. Omaha, 66 (title changed from: Capitalization rate and real estate appraisal problems). Address: Dept. of Business Administration, University of Nebraska, Omaha, Nebr. 64010.
- LEWIS, PROF. DON. Psychology, Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof. psychol, Iowa, 68- Address: 300 Lucon Dr, Iowa City, Iowa 52240.
- LEWIS, EVERETT MERCER, JR, b. Wakefield, R.1, Apr. 12, 38; m. 62; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A, Rhode Island, 60; M.Sc, Massachusetts, Amherst, 63. Res. asst. psychol, Massachusetts, Amherst, 61-63; exp. psychologist, Hamilton Standard Div, United Aircraft. Corp, Conn, 63-64; res. scientist, Matrix Corp, 64-67; RES. PSYCHOLOGIST, NJURY CONTROL RES. LAB, ENVIRON. CONTROL ADMIN, U.S. DEPT. HEALTH, ED. & WELFARE, 67- Research with computer-based simulation equipment; determination of relationships between human characteristics and conditions resulting in accidents; lurar landing simulation and advanced supersonic aircraft defense studies. Publ: The depressive effect of chlordiazepoxide on a negative incentive, Psychopharmacologia, 64; The effects of alcohol on decision-making with respect to traffic signals, 98 & The effects of varying levels of alcohol on dext adaptation time, 70, U.S. Dept. Health, Ed. & Welfare. Address: Injury Control Research Lab, 235 Promenade St, Providence, R.I. 02908.
- LEWIS, DR. GEORGE A, JR, b. Kansas City, Mo, Apr. 2, 33; m. 59; c. 3. PHYSIOLOGICAL PSYCHOLOGY. B.A, Wichita State, 61; M.A, Texas Christian, 65, Ph.D. (gsychol), 67. ASST. PROF. PSYCHOL, WICHITA STATE, 65. Wichita State Univ. grant, 69-70. Psychol. Asn. Brain functions and early environment. Address: Dept. of Psychology, Wichita State University, Wichita, Kans. 67208.
- LEWIS, DR. GORDON HARRIMAN. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 69-, Dept. of Sociology, Carnegie-Mellon University, Pittsburgh, Pa. 15213.
- LEWIS, PROF. H(OMER) C(OLLIER). Business Administration. See 11th ed, Soc. & Behav. Vols, deceased 69.

- LEWIS, HYMAN L(EON). Economics, Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Sr. adv, 70-, Central Bureau of Statistics, State of Israel, Jerusalem, Israel.
- LEWIS, DR. JAMES E(LDON). Geography. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position & address: Asst. prof, 69-, Dept. of Environmental Sciences, University of Virginia, Charlottesville, Va. 22903.
- LEWIS, PROF. JOHN WILSON. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Hon. D.H., Morningside Col, 99. New publ: Co-auth, The United States in Vietnam, Dial., rev. ed, 69; & Party leadership and revolutionary power in China, Cambridge, 70. Address: Dept. of Political Science, Stanford University, Stanford, Calil. 94305.
- LEWIS, DR. LAURENCE A. Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 70-, Dept. of Geography, Clark University, Worcester, Mass. 01610.
- LEWIS, DR. LESLIE. Psychology, Education. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir. res, 69-, Central State College, 400 E. Hurd, Edmond, Okla. 73034.
- LEWIS, DR. MARJORIE L (OUISE), b. St. Louis, Mo, May 21, 24. PSYCHOL-COY. B.A, Lowa, 46, M.A, 48; summer, Minnesota, 60; Dept. Health Ed. & Welfare fel. & Ph.D. (counseling psychol), Illinois, 69. Teacher hosp. sch. severely handicapped children, Univ. Iowa, 48-51; asst. prof. & supvr. spec.ed, ILLINDIS STATE, 51-66, asst. prof. PSYCHOL, 66-69, ASSCO. PROF, 69-, STAFF PSYCHOLOGIST, PSYCHOL. COUNSELING SERV, 66- Psychol. Asn. Personnel & Guid. Asn: Ceon. Except. Children; Rehab. Counseling Asn. Teen-age orphanage youngsters and college education majors, occupational interests, aspirations and adjustment. Address: 209 Eisenhower Dr., Apt. 2, Bloomington, Ill. 61701.
- LEWIS, PROF. W. ARTHUR, b. St. Lucia, B.W.I., Jan. 23, 15; m. 47; c. 2. POLITICAL ECONOMY. B.Com. London Sch. Econ. 37; Ph.D. London, 40; hon. M.A., Manchester & L.H.D. Columbia, 54; Litt.D. Univ. West Indies, 66; Ll.D. Toronto & Williams Col., 60, Wales & Bristol, 61, Dakar, 62, Leicester, 64, Rutgers, 65, Brussels, 69. Lectr. econ. London Sch. Econ., 38-47; Stanley Jevons prof. polit. econ, Manchester, 48-56; v.chancellor, Univ. West Indies, 59-63; PROF. POLIT. ECON, PRINCETON, 63-Prin, bd. trade, Colonial Off, U.K., 43-44; dir, Colonial Develop. Corp, 50-52; dep. managring dir, U.N. Spec. Fund, 59-69; dir, Bank of Jamaica, 61-62; Indust. Develop. Corp, Jamaica, 62-63. Consult, Dept. Cmn. Fuel & Power, U.K., 51-52; econ. adv. to Prime Minister, West Indies, 61-62. Mem, Colonial Econ. Adv. Coun, U.K., 45-49. Knight Bachelor, 63. Am. Acad. Arts & Sci; Philo. Soc. Economic aspects of development of less developed countries; economic history. Publ. Economic Survey, 1918-1939, Torch & Harper, 49; The theory of economic growth, Irwin, 54; Development planning; Harper & Allen & Unwin, 66. Address: Dept. of Political Economy, Woodrow Wilson School, Princeton University, Princeton, N.J. 08540.
- LEWIS, WILLIAM B(ARRON). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. supt, 68-, California Youth Authority, Southern Reception Center & Clinic, 13200 S. Bloomfield, Norwalk. Calif. 30650.
- LEWIS, DR. W(ILLIAM) CRIS, b. Chicago, Ill, Nov. 5, 40; m. 65; c. 3. ECO-NOMICS. B.S. Brigham Young, 62; M.B.A, Northwestern, 64; Ph.D.(econ), lows State, 69. ASST. PROF. ECON, OKLAHOMA, 69. Econ. Asn. Publ: Tax incentives and industrial location, Rev. Urban Econ, fall 68 & co-auth, State and municipal locational incentives: a discriminant analysis, Nat. Tax J. 9; 69. Address: Dept. of Economics, University of Oklahoma, Norman, Okla. 73064.
- LEY, DR. RONALD THEODORE, b. Buffalo, N.Y., Oct. 19, 29; m. 65. EX-PERIMENTAL PSYCHOLOGY. B.A, Buffalo, 51; Ph.D. (exp. psychol), Syracuse, 63. Asst. prof. psychol, Northern Illinois, 63-64; grad. faculty, New Sch. Soc. Work, 64-66; ASSOC. PROF. PSYCHOL. & STATIST, STATE UNIV N.Y. ALBANY, 66- State Univ. N.Y. Res. Found, grants-in-aid, 67-70; vis. prof., Univ. Puerto Rico, 69; summers, State Univ. N.Y. Res. Found. faculty res. fells, 67, 66 & 70. AAAS; Psychol. Assr. Psychonomic Soc; Statist. Asn. Basic processes of learning and motivation in humans and infra humans. Publ: Effects of food and water deprivation on response motivated by acquired fear, 6/65 & Associative reaction time, meaningfulness and presentation rate in PA learning, 3/69, J. Exp. Psychol; Force-contingent reinforcement in instrumental conditioning and extinction, J. Comp. Physiol. Psychol. J. 1/69. Address: Dept. of Psychology, State University of New York at Albany, 1400 Washington Ave, Albany, N.Y. 12203.
- LEYS, PROF. WAYNE A(LBERT) R(ISSER). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- LI, PROF. FANG-KUEI. Anthropology, Linguistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. Asian ling, 69-, Dept. of Linguistics, University of Hawaii, Honoilulu, Hawaii 98621.
- LIANOS, DR. THEODORE P, b. Messini, Greece, June 29, 39; m. 64; c. 1. ECONOMICS. B.S, Athens Sch. Econ, 62; M.A., N.C., State, 67, Ph.D. (econ), 69. Res, asst. econ. res, Center for Planning & Econ. Res, 64-65; instr. ECON, N.C. State, 68-69; ASST. PROF, CALIFORNIA, DAVIS, 69- Greek Army, 62-64. Econ. Asn, Agr. Econ. Asn. Labor economics; employment; labor mobility. Publ: The nonspeculative demand for money, Yorkshire Bull, spring 67; A stocks and flows approach to migration, Am. J. Agr. Econ, 870; Testing for structural unemployment, South. Econ. J. 1070. Address: 210 Voorhies Hall, University of California, Davis, Calif. 95616.
- LIBB, DR. J. WESLEY, b. Camden, N.J. Sept. 4, 38; m. 61; c. 2. PSYCHOL-OGY. B.A, Toccoa Falls Bible Col, 60; B.A, Wheaton Col, 62, M.A, 63; Ph.D. (psychol), Alabama, 69. Fel. psychol, Michael Reese Hosp, Chicago, Ill, 68-69; ASST. PROF. CLIN. PSYCHOL, ALABAMA, 69- Consult, Proj.

- Head Start, Chicago, Ill, 69; part-time instr, Roosevelt Univ, 69. Psychol. Asn; Soc. Proj. Tech. & Personality Assessment; Soc. Res. Child Develop. Learning theory and applications to childhood behavior disorders; personality assessment techniques, projective and objective. Publ: Co-auth, Token reinforcement in an experimental exercise program for geriatric patients, Perceptual & Motor Skills, 68; Psychotic appearing MMPI profiles among alcoholics, J. Clin. Psychol, (in press). Address: Dept. of Psychology, University of Alabama, Box 6234, University, Ala. 35486.
- LIBERTY, DR. PAUL G, JR, b. Giddings, Tex, Dec. 10, 30; m. 55; c. 3. SO-CIAL & EDUCATIONAL PSYCHOLOGY, B.A. & B. B.A, St. Mary's (Tex), 58; Nat. Inst. Ment. Health fel, Texas, Austin, 59-62, Ph.D. (ed. psychol), 62; Res. assoc. human talent proj, lab. human develop, col. ed, Texas, Austin, 61-62; Nat. Inst. Ment. Health res. fel. soc. sci. appl. multivariate tech, Washington (Seattle), 62-63; res. psychologist, personnel res. div, Air Force Human Resources Lab, Lackland Air Force Base, Tex, 63-66; assoc. prof. guid. & ed. psychol, bur. ed. res. Southern Illinois Univ, 66-67; res. coordinator, Southwest. Coop. Ed. Lab, Inc, N. Mex, 67-66, asst. dir. prog. 68, dep. dir, 68-69; ASSOC. PROF. ED. PSYCHOL. & ASSOC. DIR. MEASUREMENT & EYAL. CENTER, TEXAS, AUSTIN, 69- Coordinator eval, Proj. Uplitt, Jefferson, Ill, 66-67; ed. auditor, Edinburg Bilingual Prog. Tex, 69-70. US.N, 51-55. Psychol. Asn; Soci. Asn; Ed. Res. Asn; Nat. Coum. Measurement in Ed; Soc. Psychol. Study Social Issues. Personality theory and measurement human learning; motivation; human factors research, psychological applications to education. Publ: Co-auth, Perceptual defense, dissimulation and response styles, J. Consult. Psychol., 28: 529-537, Concern with mastery and occupational attraction, J. Personality, 34: 105-117 & The patterning of parental affection and disciplinary dominance as a determinant of guilt and sex-typing, J. Personality & Soc. Psychol, 4: 356-363; plus others. Address: Measurement & Evaluation Center, University of Texas at Austin, Austin, Tex. 78712.
- LICCIONE, DR. JOHN V(ICTOR). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 9191 W. Watertown Plank Rd, Milwaukee, Wis. 53226.
- LICHTENSTEIN, DR. ARTHUR. Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: The Hemispheres, 1950 S. Ocean Dr., Hollandale, Fla. 33009.
- LICHTENSTEIN, DR. EDWARD, b. Brooklyn, N.Y. Apr. 10, 34; m; c. 2. PSY-CHOLOGY. B.A, Duke, 56; M.A, Michigan, 57, Ph.D. (psychol), 61. Psychol. asst, neuropsychiat. inst, Univ. Michigan Hosp, 58-59, counseling trainee, counseling center, Univ. 59-60; psychol. trainee, Detroit Ment. Hyg. Clin, 60-61; asst. prof. in residence, dept. psychiat. & clin. psychologist, dept. ment. hyg. center health sci, California, Los Angeles, 61-64; asst. prof. dept. psychol, Southern Illinosi, 64-66, dir. clin. training, 65-66; ASSOC. PROF. PSYCHOL, OREGON, 66-, DR. PSYCHOL CLIN, 68- Psychol. Son. Clinical psychology; psychotherapy research; modification of smoking behavior: a review, Psychol. Bull, 70: 520-533 & The importance of subjective evaluation of reinforcement in verbal conditioning, J. Exp. Res. Personality, 3: 214-220. Address: Dept. of Psychology, University of Oregon, Eugene, Ore. 97403.
- LIDDLE, DR. GORDON P(HILIP). Social & Educational Psychology. See L-Z Vol, 1th ed, Soc. & Behav. Vols. New position & address: Assoc. dean, 69-, College of Education, University of Kentucky, Graduate Study & Research, 108 Taylor Education Bldg, Lexington, Ky. 40506.
- LIDDON, DR. SIM C(LARK), b. Memphis, Tenn, Feb. 3, 35; m. 62; c. 3. PSYCHIATRY. B.A., Vanderbilt, 57; M.D. Hopkins, 61. Intern med, Johns Hopkins Hops, 61-62; assis res. PSYCHIAT, Strong Mem. Hosp, 62-63, assoc. res, 63-64, chief res, 64-65; instr. Pittsburgh, 65-66; ASST. PROF, SCH. MED, VIRGINIA, 68- U.S. Pub. Health Serv. fel. psychiat, Strong Mem. Hosp, 62-65; instr. Rochester, 64-65. Dipl. Am. Bd. Psychiat. & Neurol. 68. Med.C., U.S.A, 66-68. AASS, Psychiat. Asn; Am. Med. Asn; Psychosom. Soc. Publ: Co-auth, The effects of aggregation, electric shock and adrenergic blocking drugs on inhibition of the writhing syndrome, J. Pharmacol. & Exp. Therapeut, 139: 107-109 & Disulfiram (antabuse) psychosis, Am. J. Psychiat, 121: 1284-1289; auth, Sleep paralysis and hypnagogic hallucinations, their relationship to the nightmare, Arch. Gen. Psychiat, 17: 88-96. Address: Dept. of Psychiatry, University of Virginia School of Medicine, Charlottesville, Va. 22901.
- LIEBENOW, PROF. J GUS, b. Berwyn, Ill, May 4, 25; m; c. 4. POLITICAL SCIENCE. B.A, Illinois, Urbana, 49, univ. fel. & M.A, 50; Ozias Goodwin fel, Harvard, 51-52; univ. fel. & Ph. Lipolit. sci), Northwestern, 55. Proj. vol. UNESCO, Am. Friends Serv. Cmt, Mex, Dept. Ed, Nyarit, Mex, 50-51; teaching assoc. polit. sci., Northwestern, 52-53; Ford Found, fel. African studies, 54-56; asst. prof. POLIT. SCI, Texas, Austin, 56-58; INDIANA, BLOOMINGTON, 58-61, assoc., prof. sci. 61-64, PROF, 64-, ASSOC. DEAN RES. & ADV. STUDIES & INT. PROGS, 70- Soc. Sci. Res. Coun. faculty fel. & African Studies fel, 50-61; Ford fel, Indiana Univ, 67. Consult, Peace Curps, For. Serv. Inst, For Area Fel. Prog. & Dept. Health, Ed. & Welkare. Mem. exec. bd, Midwest Conf. Polit. Scientists, 81-64. Med.C. U.S.A, 43-46. Fel. African Studies Asn, Polit. Sci. Asn. African studies; African political systems, concentrating on micropolitics, social stratification, urbanization and development. Publ: Liberia: the evolution of privilege, Cornell, 69; Colonial rule and political development: Makonde of Tanzania, Northwestern Univ. & E. African Publ.: Liberia: the evolution of privilege, Cornell, 69; Colonial rule and political development: Makonde of Tanzania, Northwestern Univ. & E. African Publ. Subuman, in: East African chiefs, Faber & Faber, 50. Address: Dept. of Politicial Science, Indiana University, Bloomington, Ind. 47401.
- LIEBERMAN, DR. J(AY) BEN(JAMIN). Political Science, Mass Communication. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: V.pres, Hill & Knowlton, Inc, 69-; ed, Opinion Today, Hill & Knowlton, 69. Address: 7 Stony Run, New Rochelle, N.Y. 10604.

- LIEBERMAN, DR. SIMA, b. Bordeaux, France, Aug. 4, 27; U.S. citizen; m. 65; c. 2. ECONOMICS, ECONOMIC HISTORY. B.S. California, Berkeley, 51, M. A. 61, Ph.D. (econ), 67; L.L. B., South Dakota, 53; L.L.M., Georgetown, 58. Fubright res. assoc, Inst. Econ, Oslo, Norway, 64-65; asst. prof. ECON, UTAH, 67-70, ASSOC. PROF, 70- U.S.A, 53-55. Econ. Asst. Econ. Hist. Asn. European economic history, especially 19th century; international economics; economic development; price theory. Publ.: The industrialization of Norway, 1800-1920, Norwegian Univ, 69: A review of three non-gradualist theories of the process of industrialization. L'Industria, 68: Has the marginalist anti-marginalist controversy regarding the theory of the firm been settled?, Schweizerische Zeitschrüft Volkswirtschaft und Statiskt, 12/69. Address: Dept. of Economics, University of Utah, Salt Lake City, Utah 84112.
- LIEBERT, DR. ROBERT M(ANDEL). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Sr. investr, 69-, Fels Research Institute, Yellow Springs, Ohio 45387.
- LIEBESNY, DR. HERBERT J(OSEPH). Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- LIEDHOLM, DR. CARL E, b. Long Beach, Calif, July 22, 40; m. 63; c. 1. ECONOMICS. B.A, Pomona Col. 61; fel, Michigan, 64-65, Ph.D. (econ), 65. Adv, econ. develop. inst, Univ. Nigeria, 65-67, acting dir. inst, 65-67; asst. prof. ECON, MICH. STATE, 67-69, ASSOC. PROF. & CHMN.DEPT, 69- Econ. Asn; African Studies Asn. Economic development problems of tropical Africa. Publ: Co-auth, Growth and development of the Nigerian economy, Mich. State Univ., 70 & auth, An analysis of comparative advantage in the Indian Iron and steel industry, Bur. Bus. & Econ. Res., 70; Production the Indian Iron and steel industry, Bur. Bus. & Econ. Soc. & Octudies, 66. Address: Dept. of Economics, 101 Marshall Hall, Michigan State University, East Lansing, Mich. 48823.
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- LIEW, DR. CHONG KIEW, b. Korea, Feb. 9, 38; m. 65; c. 2. ECONOMICS, ECONOMETRICS. B.S, California, Berkeley, 62, Ford Found. fel, 67-68, Ph.D. (econ), 68. Asst. res. economist, econ. growth proj. California, Berkeley, 68-69; ASST. PROF. ECON, OKLAHOMA, 69- Econ. Asn. Aggregate econometric model; optimal lending decision under uncertainty; economic growth problems. Address: Dept. of Economics, University of Oklahoma, Norman, Okla. 73069.
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- LILLY, DR. ROY SHERMAN, b. Rockford, Ill, Nov. 30, 40; m. 61; c. 1. PSY-CHOLOGY. B.A, Illinois, 62; Ed. Testing Serv. fel, Princeton, 62-65, Ph.D.

- (psychol), 65. Asst. prof. PSYCHOL, KENT STATE, 65-69, ASSOC. PROF, 69- AAAS; Psychol. Asn; Psychomet. Soc. Psychometrics. Publ: The qualification of evaluative adjectives by frequency adverbs, 7: 333-336, Multiplying values of intensive, probabilistic and frequency adverbs when combined with potency adjectives, 7: 854-858 & Adverbial qualification of adjectives connoting activity, 8: 1043-1045, J. Verbal Learning & Verbal Behav. Address: Dept. of Psychology, Kent State University, Kent, Ohio 44240.
- LIM, DR. RAMON (KHE SIONG). Neurochemistry. See Suppl. V & VI to 11th ed, Phys. & Biol. Vols.
- LIN, DR. CHI-YUAN, b. Keelung, Taiwan, Sept. 21, 35; m. 61. STATISTICS, MANAGEMENT SCIENCE. B.A. Nat. Taiwan Univ, 58; M.S. Mass. Inst. Tech, 66, univ. & Ford Found. fels. & Ph.D. (mgt), 68. Teaching asst. indust. mgt, Nat. Taiwan Univ, 60-63; asst. mgt. & statist, Mass. Inst. Tech. 63-65; ASST. PROF. QUANT. BUS. ANAL. SOUTHERN CALIFORNIA, 68. Chinese Air Force, 58-60. Statist. Asn; Inst. Math. Statist; Biomet. Soc. Classiedal, and Bayesian statistics applied to business and industrial problems. Publ: Co-auth, Four procedures for testing linear hypotheses, Indust. Mgt. Rev, fall 68 & On the selling price and buying price of a lottery, Am. Statistician, 12/69. Address: Dept. of Quantitative Business Administration, Los Angeles, Calif. 90007.
- LIN, DR. S(UE) C(HIN). Mathematics, Applied Mathematics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Mem, sch. math, inst. adv. study, Princeton, 09-Address: 41 Einstein Dr., Princeton, N.J. 08540.
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- LINDBURG, DR. DONALD GILSON, b. Wagner, S. Dak, Nov. 6, 32; m. 54; c. 2. ANTHROPOLOGY, B. A. Houghton Col., 56; M. A. Chicago, 62; Nat. Insts. Health fel. & Ph.D. (anthrop), California, Berkeley, 67, Asst. specialist, NAT. CENTER PRIMATE BIOL, 64-67, ASST. RES. ANTHROPOLOGIST, 61-; ASST. PROF. ANTHROP, CALIFORNIA, DAVIS, 67- AAAS, fel. Antrop, Ass. Phys. Anthrop, Animal Behav. Soc. Social behavior and ecology of non-human primates; evolution of primate behavior; evolutionary differentiation of primates. Publ: Motor skills of infant rhesus monkeys with thalidomide-induced forelimb malformations, Develop. Psychobiol, 2: 184-190; Rhesus monkeys: mating season mobility of adult males, Science, 11/69; Grooming as a regulator of social interactions in rhesus macaques, In: Behavior regulators of behavior in primates, Pa. State Univ, 70. Address: 400 Anza Ave, Davis, Calif. 95616.
- LINDEBORG, PROF. KARL H(ARTVIG). Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Dept. of Agricultural Economics, University of Idaho, Moscow, Idaho 83643.
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- LINDEN, DR. DAVID R, b. Cannonsburg, Pa, June 4, 40; m. 65; c. 2. PSY-CHOLOGY. B.S, St. Vincent Col, 62; M.A, West Virginia, 65; Ph.D.(psychol), 68. ASST. PROF. PSYCHOL, NEBHASKA, LINCOLN, 68- Avoidance conditioning and aversive control of behavior. Publ: Attenuation and reestablishment of the CER by avoidance conditioning in rats, J. Comp. & Physiol. Psychol, 69. Address: Dept. of Psychology, University of Nebraska, Lincoln, Nebr. 68500.
- LINDEN, DR. JAMES I, b. Detroit, Mich, Apr. 5, 43. CLINICAL & COM-MINITY PSYCHOLOGY. B.A. Michigan, 64; M.A. Mich, State, 65, Ph.D. (clin. psychol), 68. ASST. PROF. PSYCHOL, CALIF. STATE COL. LONG BEACH, 68- Psychol. consult, Long Beach Community Improv. League, 68-; psychol. consult, mem. bd. dirs, Long Beach Iewish Community Center, 70-73. Psychol. Asn. Procedures to use to expand the number of qualified individuals to do psychotherapy; training programs with college students and indigeneous poor people. Public On Expressing physical affection to a therapy patient, Voices: the art & scl. of psychother, fall 68; The training of undergraduates in play techniques, J. Clin. Psychol, 4/69. Address: Dept. of Psychology, California State College at Long Beach, Long Beach, Calif. 90801.

- LINDER, DR. DARWYN ELLSWORTH, b. Minneapolis, Minn, Sept. 23, 39; m. 65. PSYCHOLOGY. B.A, Macalester Col, 61; Danforth (el. & Ph.D. (psychol), Minnesota, 65. Asst. prof. PSYCHOL, DUKE, 65-69, ASSOC. PROF. 69. Soc. Sci. Res. Coun. faculty res. grant, 68-89. AAAS; Psychol. Asn. Experimental social psychology; attitude change; interpersonal attraction; cognitive models of interaction. Publ: Co-auth, Gain and loss of esteem as determinants of interpersonal attractiveness, 1: 156-171 & Discriminative stimuli as determinants of consonance ad dissonance, 5: 467-482, J. Exp. Soc. Psychol; co-auth, Decision freedom as a determinant of the role of incentive magnitude in attitude change, J. Personality & Soc. Psychol, 6: 245-254. Address: Dept. of Psychology, Duke University, Durham, N.C. 27706.
- LINDER, DR. FORREST E(DWARD). Statistics, Demography. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Mem. cmt. pop. res. policy, Nat. Inst. Child Health & Human Develop, 68-71; chunn, U.S. Nat. Cmt. Health & Vital Statist, 68-72. Address: Dept. of Biostatistics, School of Public Health, University of North Carolina, Chapel Hill, N.C. 27514.
- LINDGREN, DR. J(OHN) RALPH. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV. Philos. Relig. & Law.
- LINDGREN, DR. JON G, b. Lake City, Iowa, Sept. 18, 38; m. 63; c. 2. POPU-LATION ECONOMICS. B. 5, towa State, 60; Puerto Rico, 60; 61; M. Missourt, 62, Ph.D. (econ), 67. ASST. PROF. ECON. & CHMN. DEPT, N.DAK. STATE, 67. Monetary theory: economic anthropology. Address: Dept. of STATE, 67. Monetary theory: economic anthropology. Address: Dept. of N. Dept. 63107
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- LINDMARK, RONALD DORANCE. Forest Economics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- LINDNER, DR. WILLIAM A, b. New York, N.Y., Oct. 1, 39; m. 64; c. 1. SEN-SORY PSYCHOLOGY. A.B. Columbia, 61; Ph.D. (psychol), Indiana, 66. ASST. PROF. PSYCHOL, CALIF. STATE COL. FULLERTON, 65- AAS, Acoustical Soc. Am. Psychoacoustics; decision theory. Publ. Co-auth, Laterlization of sounds at the unstimulated ear opposite a noise-adapted ear. Science, 147: 63-65; auth, Recognition performance as a function of detection criterion in a simultaneous detection-recognition task, J. Acoustical Soc. Am, 44: 201-211; co-auth, Masking-level differences and the form of the psychometric function, Perception & Psychophys, 6: 209-215. Address: Dept. of Psychology, California State College at Fullerton, 800 N. State College Blvd, Fullerton, Calif. 92631.
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- LIPSCOMB, DR. DAVID M. Audiology. See Suppl. V & VI to 11th ed, Phys. & Biol. Vols.
- LIPSITT, DR. DON RICHARD. Psychiatry, Psychoanalysis. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- LIPSKY, DR. DAVID B(RUCE). Economics. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 69-, N.Y. State School of Industrial & Labor Relations, Cornell University, Ives Hall, Ithaca, N.Y. 14850.
- LIPSKY, PROF. GEORGE ARTHUR, b. Seattle, Wash, Apr. 3, 12; div. PO-LITICAL SCIENCE, INTERNATIONAL POLITICS. A.B. Washington (Seattle), 38; Ph.D. (polit. sci), California, 48. Instr. govt. & hist, U.S. Mil. Acad, 43-46; lectr. polit. sci, California, 46-48, asst. prof, 48-53; Carnegie res. fel.

int. polit, Coun. For. Rels, 53-54; lectr. polit. sci. & hist, Yale, 54-55; assoc. prof. comp. polit, American Univ, 55-61; sr. admin. asst, off. for. secy, Nat. Acad. Sci-Nat. Res. Coun, 61-62; PROF. POLIT. SCI, WABASH COL, 62- Sr. res. assoc. comp. polit, Washington br, Human Rels. Area Files, American Univ, 55-58, FASD spec. opers. res. off, 58-61, team chmn, univ, 58-61; Ford travel grant, Pakistan, 65. U.S.A, 42-62, Capt. Polit. Sci. Asn. History of political thought; theory of international relations; political geography; Asian governments. Publ. John Quincy Adams, his theory and ideas, Crowell, 50; co-auth, Saudi Arabia: its people, its society, its culture & Ethiopia: its people, its society, its culture, Human Rels. Area Files, 59. Address: 1101 W. Pike St, Crawfordsville, Ind. 47933.

LIPSKY, DR. MICHAEL, b. New York, N.Y. Apr. 13, 40; m; c. 2. POLITICAL SCIENCE. A.B., Oberlin Col, 61; M.P.A. & M.A., Princeton, 64, Ph.D.(polit), 67. Asst, prof. polit. 5c. & staff assoc. inst. res. on poverty, Wisconsin, 67-69; ASSOC. PROF. POLIT. SCI, MASS. INST. TECH, 69- Staff assoc. Joint Center Urban Studies, Harvard & Mass. Inst. Tech, 69- Urban politics. Publ: Protest in city politics, Rand McNally, 70. Address: 42 Brington Rd, Brookline, Mass. 2146.

LIPSON, PROF. LEON. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

LIPTON, DR. JAMES M(ATTHEW), b. Warren, Ark, Aug. 10, 38; m. 59; c. 2. PHYSIOLOGICAL PSYCHOLOGY. M.A, Texas Christian, 62; Vet. Admin. traine & Ph.D. (psychol). Colorado, 64. U.S. Pub. Health Serv. el, med. sch, Michigan, 64-66; ASST. PROF. PSYCHOL, MED. SCH, TEXAS, DALLAS, 66- U.S. Spec. res. fel, Inst. Animal Physiol, Eng. 69- AAS; Animal Behav. Soc; Psychol. Asn. Physiological and behavioral aspects of thermoregulation, bio-psychological relations in homeostatic regulations; neural control systems. Publ: Effects of preoptic lesions on heat-escape responding and colonic temperature in the rat, 3: 165-169 & Effects of desalivation on behavioral thermoregulation against heat, 4: 723-727, Physiol. & Behav; Effects of high fat diets on caloric intake, body weight and heat-escape responses in normal and hyperphagic rats, J. Comp. Physiol. Psychol, 8: 507-515. Address: Psychology Division, University of Texas Medical School at Dallas, Dallas, Tex. 75235.

LIPTON, MILTON. Economics, Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Exec. v.pres, 68-, W.J. Levy, Consultants Corp, 30 Rockefeller Plaza, New York, N.Y. 10020.

LISKE, DR. RALPH E(DGAR). Clinical & Counseling Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1195 Fairchild Ave, Kent, Ohio 4240.

LISS, PROF. SHELDON B. History, International Relations. See Suppl. 1 to 5th ed, Dir. Am. Scholars.

LISSITZYN, PROF. OLIVER J(AMES). International Law & Relations. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

LIST, DR. GEORGE H, b. Tucson, Ariz, Feb. 11, 11; m. 34; c. 1. ETHNO-MUSICOLOGY, FOLKLORE. B.S. Columbia, 41, M.A., 45; Fund Adv. Ed. fel, Indiana, 52, Ph.D. (musicol), 54. Instr. music, Colo. Col, 45-46; asst. prof., Miami (Ohio), 46-48, assoc. prof, 48-53; DIR. ARCH. TRADITIONAL MUSIC, INDIANA, BLOOMINGTON, 54-4, DIR. INTER-AM. PROG. ETHNO-MUSICOL, 66-, PROF. FOLKLORE, 69-, assoc. prof, 65-69. Am. Philos. Soc. grant-in-add, 63; Fublirght award, Colombia & prof. ethnomusicol, Nat. Univ. Colombia, 64-65. Soc. Ethnomusicol.(secy, 62-64); Folklore Soc; Musicol. Soc; Int. Folk Music Coun. Relations of text and melody in song; music of the Hopi Indians; Negro music in Colombia. Publ: The boundaries of speech and song, Ethnomusicology, 1/63; Acculturation and musical tradition, Int. Folk Music Coun. J, 64; Toward the indexing of ballad texts, J. Am. Folklore, 1-3/66. Address: Maxwell Hall 013, Indiana University, Bloomington, Ind. 47401.

LISTER, PROF. JAMES LEON, b. Ingraham, Ill, Feb. 16, 36; m. 56; c. 2. COUNSELOR EDUCATION. B. S. Eastern Illinois, 58, M. S., 59; Ed. D. (counseling), Illinois, 62. Teacher & prin, elem. sch, Ill, 56-57; res. assoc, counseling, Illinois, 61-62; asst. prof. COUNSR. ED, FLORIDA, 62-66, assoc, prof. 66-68, PROF. & CIMIN. DEPT, 68-Summers, vis. lectr, Eastern Illinois, 65; Northern Michigan, 67. Personnel & Guid. Asn. Use of tests in counseling; counselor characteristics; counselor supervision. Publ: Co-auth, Selection, preparation and professionalization of specialists, Rev. Ed. Res, 4/63; auth, The counselor's personal theory, Counsr. Ed. & Supv. summer 64 & Teaching experience necessary for counselors?, Bull. Nat. Asn. Sec. Sch. Prin, 10/69. Address: 100 Norman Hall, Dept. of Counselor Education, University of Florida, Gainesville, Fla. 32601.

LISTON, THOMAS CORWIN. Geology, Paleontology. See Suppl. V & VI to 11th ed, Phys. & Biol. Vols.

LITMAN, DR. TREODOR J, b. Duluth, Minn, Aug. 7, 32; m. 61; c. 2. SOCI-OLOGY. B.A, Minnesota, 54, M.A, 56, US. Pub. Health Serv. fel, 59-60. Ph.D. (sociol), 61. ASSOC. PROF. HEALTH CARE ADMIN. & MED. SOCIOL, MINNESOTA, MINNEAPOLIS, 61- U.S. Pub. Health Serv. grants, health care & the family, 66-69 & sharing hosp, serv. demonstration proj. 67-70; participant, physician mobility study, Northlands Regional Med. Prog. 69-70; co-chmn, regional conf. ed. & licensure, Nursing Home Admin, 70- U.S.A.R, 56-64, Capt. Sociol. Asn, Pub. Health Asn. Sociology of medicine and medical institutions; group practice; sharing of hospital services; medical manpower; health ecology. Publ: The family and physical rehabilitation, J. Chronic Diseases, 66; co-auth, Health care and the family, Med. Care, 70; auth, Physical rehabilitation, a social psychological approach, In: Patients physician and illness, Free Press (in press). Address: Dept. of Sociology, University of Minnesota, 1260 Mayo, Minneapolis, Minn. 55455.

LITTERER, PROF. JOSEPH AUGUST. Management Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. 69-, Dept. of Management, University of Massachusetts, Amherst, Mass. 01002.

LITTLE, DR. CHARLES HARVEY, b. Rocky Mount, N.C., Aug. 17, 38. STA-TISTICS, AGRICULTURAL ECONOMICS. B.S., N.C. State, 61; M.A. & Ph.D. (agr. econ), California, Berkeley, 65. ASST. PROF. agr. econ, Okla. State, 65-68; STATIST, N.C. STATE, 68-Agr. Econ. Asn; Economet. Soc; Statist. Asn. Regional economic development, including several input-output studies. Address: Dept. of Experimental Statistics, North Carolina State University School of Physical Sciences & Applied Mathematics, Box 5457, Raleigh, N.C. 27607.

LITTLE, DR. MICHAEL A, b. Abington, Pa, Mar. 24, 37; m. 65. PHYSICAL ANTHROPOLOGY, HUMAN BIOLOGY. B.A, Pa. State, 62, M.A, 65; Wenner-Gren Found. grant-in-aid, 66, U.S. Pub. Health serv. fel, 66-67, Ph.D. (anthrop), 68, Res. asst. Andean biocultural studies in Peru, Pa. State, 64-65; ASST. PROF. ANTHROP, OHIO STATE, 67-Summers, faculty res. grant. Ohio State, 66; NASA faculty fel. environ. physiol, Manned Spacecraft Center, Houston, 69. AAAS; Asn. Phys. Anthrop. Bone densitometry; theoretical perspectives of human ecology; cultural and biological adaptations to environmental stress; circadian rhythms. Publ: Co-auth, Bone density changes with age: altitude, sex, and race factors in Pervuian, 37: 122-36 & auth, Température regulation at high altitude: Quechua Indians and U.S. whites..., (in press), Human Biol; Foot temperature responses to a moderate cold stress in highland Peruvian males, Am. J. Phys. Anthrop, 27: 248. Address: Dept. of Anthropology, Ohio State University College of Social and Behavioral Sciences, Columbus, Ohio 43210.

LIU, DR. ALAN PING-LIN. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 69-, Dept. of Political Science, University of California, Santa Barbara, Calif. 93106.

LIU, DR. HSIEN-TUNG, b. Canton, China, Feb. 17, 35; m. 64. POLITICAL SCIENCE. B.A, Taiwan, 58; M.A. Chico State Col, 62; Ph.D. (int. rels), Claremont Grad. Sch. 67. ASST. PROF. POLIT. SCI, Chico State Col, 65-67; POINT PARK COL, 67-Polit. Sci. Asn; Soc. Int. Law, Asn. Asian Studies. International relations; diplomatic history of China and Russia; comparative government. Publ: Border disputes between Imperial China and Taarist Russia, Univ. Microfilms, 68. Address: 5863 Hobart St, Pittsburgh. Pa. 15217.

LIU, DR. JUNGO-CHAO, b. China, Feb. 9, 29; m. 58; c. 3. ECONOMICS. B.A. Taiwan, 50; M.A. Washington (Seattle), 55; Ph.D.(econ), Michigan, 60. ASSOC. PROF. ECON, McGILL, 66- Econ. Ass.; Economet. Soc. Econometries; mathematical economics; economic theory. Address: Dept. of Economics, McGill University, Montreal, Que, Can.

LIU, PROF. SHIA-LING, b. Ninghsiang, China, May 23, 22: m. 57: c. 3. PO-LITICAL SCIENCE. B.A. Nat. Chengchi Univ, 45: M.A. Cincinnati. 49: N.Y. Univ, 49-51; fel. Inst. Int. Rels, Taipei, China, 57-59; Ed.D.(polit. sci. ed), North Texas State, 63: Asst, Exec. Yuan, China, 45-46; judge, Yu Yao Dist. Court, Ching, China, 46-47; ed, Chinese J. New York, 51-56; assoc. prof. polit. sci. Nat. Chengchi Univ, 36-57; exec. seey, Ministry Ed. China, 57-59; PROF. POLIT. SCI, Jarvis Christian Col, 59-63; FAVETTEVILLE STATE. 63- Lectr, For. Lang. Sch. for Officers, Taipei, China, 57-59; Soc. Int. Law, Polit. Sci. Asn. United States government and constitutional law; international law and relations; Chinese history. Publ: History of western political theory, China Cult. Found, 58; International relations, Nat. War Col. China, 62; Politics and U.S. foreign policies, China Daily News, 69. Address: Dept. of Political Clence, Fayettleville State University, Fayetteville. N.C. 28301.

LIU, DR. YIH-WU, b. Peking, China, Jan. 20, 35; m. 66; c. 1. ECONOMICS. B.A, Taiwan, 57; M.B.A, City Col. New York, 63; Ph.D. (econ), Southern Illinois, 68-68; ASST. PROF, YOUNGS-TOWN STATE, 68- Nationalist Chinese Army, 57-59, 2nd Lt. Econ. Asn. Economic theory; monetary and fiscal policy; mathematics and statistics. Publ: Economic effects of the retirement of federal interest bearing debt, 1919-1929, Am. Economist, spring 70. Address: Dept. of Economics, Youngstown State University, Youngstown, Ohio 44503.

LIVERGOOD, DR. NORMAN DAVID. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

LIVERMORE, PROF. SHAW. Economics, Business Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. pub. admin, College of Business Administration, University of Artizona, Tucson, Artiz. 85710.

LIVESAY, VERNA T(HOMAS). Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 10500 Rockville Pike, Rockville, Md. 20852.

LIVINGSTON, PROF. WILLIAM S(AMUEL). Government. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also v.chancellor acad. progs, 69-, University of Texas, Austin, Tex. 78712.

LLOYD, DR. DEE N(ORMAN), b. Salt Lake City, Utah, Feb. 9, 34; m. 60; c. 2. PSYCHOLOGY. B.A. Utah, 56, M.A. 568; Ph.D. (counseling psychol), Oilto State, 63. 66; assoc. proj. dir, community projs. sect, MENT. HEALTH STUDY CENTER, NAT. INST. MENT. HEALTH 54.65, PROJ. DIR, PERSONAL & SOC. ORGN, 65. Psychol. trainee, Vet. Admin. Hosps, Salt Lake City, Utah, 57.58 & Chillicothe, Ohio, 58.61; part-time asst. prof, dept. psychait, Maryland, 68. U.S.A.F, 61.64, 1st Lt. Psychol. Asn. Cognitive processes; language development; research methodology, chronic schizophrenia; educational psychology. Publ: Co-auth, Sensory changes with phenothiazine medication in schizophrenic patients, J. Nervous & Ment. Disease, 64; auth, Overinclusive thinking and delusions in schizophrenic patients: a critique, J. Abnorm. Psychol, 67 & Antecedent relationships to high school dropout or graduation, Education, 68. Address: Mental Health Study Center, 2340 University Blvd. E, Adelphi, Md. 20783.

LLOYD, DR. KENT M, b. Grace, Idaho, Mar. 5, 31; m. 54; c. 4. POLITICAL SCIENCE. B.S. Brigham Young, 55; Danford fel, Wayne State, 55-61, M.P.A. 57; Ford. Found. grant, Stanford, 59-61, Ph.D. (polit. sci), 63. Res. assoc,

Wash, State Res. Coup. 56-57; asst. prof. pub. admin, Southern California, 61-65, res. assoc, 55-66, dir. center res. pub. orgn, 63; vis. asst. prof. polit. sci, Hawaii, 67; PRES, PEDR URBAN ASSOCS, 68- Consult, Governor's Cmn. Los Angeles Riot, 65. Co-dir, planned community develop. through exec. leadership seminars, U.S. Off. Ed, 55-66; PEDR urban exec. leadership prog, Carnegie Found, 68. Polit. Sci. Asn, Soc. Pub. Admin; Soc. Psychol. Study Social Issues. Organization theory and behavior; executive development; race and intergroup relations; urban affairs. Publ. Co-auth, The church executive, Bookcraft, 67 & Planned community development through executive leadership seminars, Univ. Southern California, 67; auth, An end or a beginning: urban race riots versus effective anti-discrimination agencies, Pub. Admin, spring 67. Address: PEDR Urban Associates, Suite 303, 3311 W. Manchester, Inglewood, Calif. 90305.

LLOYD, DR. SUSANNE P(OCH). Clinical Psychology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also assoc. coordinator, 69-, Experimental Education Program, Washington State University, 138 Old Education Bldg, Pullman, Wash. 99163.

LLOYD-JONES, PROF. ESTHER McD(ONALD). Psychology, Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Vis. prof. human behav, U.S. Int. Univ, 69-70. Address: 430 W. 116th St, New York, N.Y. 10027.

LOCKAREFF, PROF. MICHAEL A, b. Cuenca, Equador, June 25, 38; U.S. citizen. LAW & INTERNATIONAL MANAGEMENT. B.A, Southern California, 60; Ll.B, Genewa, 63; M.B.A, California, Los Angeles, 65, Ph.D. (int. mgl), 69. Prof. law & mgt, La. State, 65-67; acct. & finance, Loyola, 67-68; PROF. LAW & MGT, CALIF. STATE COL. FULLERTON, 68- Consult, Coun. Europe, 69. Mem. bd. dir, Ribaux Inc, 67-; Tchekalov Found, 68. Acad, Mgt. International corporate management dealing with technology transfers, joint ventures, licensing, taxation, patentency and trademarks; international business law, trade and diplomacy. Address: 1954 Dracena Dr, Hollywood, Calif. 90027.

LOCKE, DR. BILL J. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Psychology, Texas Tech University, Lubbock, Tex. 79406.

LOCKLING, PROF. BRUCE, b. Bisbee, Ariz, June 5, 05; m. 44. ECONOM-ICS. A.B., California, Los Angeles, 27, A.M., California, Berkeley, 29; Ph.D. (econ), Illinois, 33. Instr. econ, State Col. Wash, 29-30; soc. sci, Armour Inst. Tech, 33-35; econ, Illinois, 35-37, assoc, 37-39; asst. prof, Washington (Seattle), 39-41; for. serv. officer, U.S. Dept. State, 41-65; vis. prof. ECON, Arizona, 65-67; PROF, NORTHERN ARIZONA, 67- Meritorious honor award, U.S. Dept. State, 65. Econ. Asn. Economic systems; economic development. Address: Dept. of Economics, Box 5736, Northern Arizona University, Flagstaff, Ariz. 86001.

LOCKNER, DR. F(REDERICK) RUSSELL. Zoology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

LOCKWOOD, DR. MAREN. Sociology. See CARDEN, DR. MAREN LOCKWOOD, this Suppl.

LODATO, DR. FRANCIS JOSEPH. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. ed, Barry Col, 69- Address: 400 Kings Point Dr., North Miami Beach, Fla. 33160.

LOEB, DR. ARMIN. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 1941 Waverly St, Philadelphia, Pa. 19146.

LOEB, DR. FELIX F(AUST), JR. Psychiatry. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also acting dir. ed, dept. psychiat, sch. med, Pittsburgh, 69- Address: 3811 O'Hara St, Pittsburgh, Pa. 15213.

LOEB, DR. MICHEL. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Psychology, University of Louisville, Louisville, Ky. 40208.

LOEBNER, DR. EGON E(ZRIEL). Solid State Physics. See 11th ed, Phys. & Bio1. Vols.

LOESCHER, DR. FRANK S(AMUEL). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Independent consult. race & ethnic rels, 70- Address: 414 S. 46th St, Philadelphia, Pa. 19143.

LOEWENBERG, PROF GERHARD. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 70-71, Dept. of Political Science, University of Iowa, Iowa City, Iowa S2240.

LOEWENBERG, DR. J (ÖRN) JOSEPH. Labor Relations, Business Management. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Management, Temple University School of Business Administration, Philadelphia, Pa. 19122.

LOEWENSTEIN, DR. LOUIS KLEE, b. Pittsburgh, Pa, June 22, 27; m. 61; c. 2. CITY PLANNING. B.S, Virginia, 49; M.S., Columbia, 57; M.C. P, Pennsylvania, 59, Ph.D. (city planning), 62. Instr. city planning, Pennsylvania, 61; 62; economist, Pa-Jersey Transportation Study, 62-63; sr. staff mem. city planning, Arthur D. Little Inc, 63-67; res. economist, California, Berkeley, 67-68; ACTING DIR. URBAN STUDIES PROG, SAN FRANCISCO STATE. COL., 69-Urban spatial structure and industrial development. Publ: The location of residences and work places, Scarecrow, 65; Urban studies: an introductory reader, Free Press, 70; The location of urban land uses, Land Econ, 63. Address: 3858 Jackson St, San Francisco, Calif. 94118.

LOEWER, DR. ROBERT A(LLEN), b. Buffalo, N.Y., Aug. 13, 26; m. 65; c. 2. MARKETING. B.S., Buffalo, 50, Ed.M., 55; U.S. Steel Found. fels, Stanford, 59-61, Ph.O., Dus), 65. Asst. buyer, Adam, Meldrum & Anderson Co, Inc., 50-53; asst. prof. MKT, State Univ. N.Y. Agr. & Tech. Inst, Alfred, 54-58;

SAN JOSE STATE COL, 61-66, ASSOC. PROF, 66- U.S.N, 45-46. Mkt. Asn. Marketing communications and environment; consumer behavior. Publ: Challenge of change, Calif. Bus. Ed. J., 5/69. Address: School of Business, San Jose State College, 125 S. Seventh St, San Jose, Calif. 95114.

LOFCHIE, DR. STANLEY. Clinical Psychology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chief psychologist, 69-, Drug Dependence Unit, Yale University School of Medicine, 104 Park St, New Haven, Conn. 06508.

LOFGREN, DR. CHARLES A(UGUSTIN). United States Recent & Diplomatic History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

LOFLAND, DR. JOHN FRANKLIN. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 70-, Dept. of Sociology, University of California, Davis, Calif. 98616.

LOFQUIST, PROF. LLOYD H(ENRY). Psychology, Counseling. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. v.pres. acad. admin, 70-Address: 2521 W. 55th St, Minneapolis, Minn. 55410.

LOGAN, DR. JAMES P(HILLIPS). Industrial Economics, Business Management. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, College of Business & Public Administration, University of Arizona. Tucson. Ariz. 85721.

LOGAN, PROF. LILLIAN STERN, b. Sykeston, N.Dak, Dec. 14, 09; m. 46. POLITICAL SCIENCE. B.S., Eastern Michigan, 39; M.Ed, Wisconsin, 50, Ph.D. led, music), 53. Teacher hist. of ed, Findlay Col, 62-65; assoc. prof. SOC. STUDIES, BRANDON, 65-69, PROF, 70- Summer vis. prof, Alberta, 62 & 64, Victoria, 65, 66 & 67. Mem, U.S. Nat. Cmt. Childhood Ed, 65-68; Kindergarten Ed. Cmt, Asn. Childhood Ed, Int, 60-61; Can. Nat. Cmt. Childhood Ed. & Guid. & Curriculum Cmn. of Students for Democratic Action, 69. AAAS. Social studies; language arts; curriculum; musicology. Publ: Teaching the young child, Houghton, 69; co-auth, Language arts—a dynamic approach, 67 & Social studies: a creative direction, 69, McGraw. Address: Dept. of Psychology, Brandon University, Brandon, Man, Can.

LOGAN, PROF. MALCOLM IAN, b. Inverell, Australia, June 3, 31; m. 54; c. 1. GEOGRAPHY. B.A, Univ. New England, Australia, 52; Ph.D. (geog), Sydney, 65. Sr. lectr. GEOG, Sydney, 59-65; assoc. prof, WISCONSIN, MADISON, 66-69, PROF, 69- Vis. prof, Ibadan, 69-70. Asn. Am. Geog; Regional Sci. Asn. Industrial and urban geography, regional planning in developing countries. Publ: Co-auth, New viewpoints in economic geography, Martindale, 67; co-ed, Studies in Australian geography, Heinemann, 68. Address: Dept. of Geography, University of Wisconsin, Madison, Wis. 53706.

LOGAN, DR. SAMUEL H, b. Salina, Kans, Oct. 23, 34; m. 56; c. 2. AGRI-CULTURAL ECONOMICS. B.S. Kansas State, 55, M.S. 59; Ph.D. (agr. coon), California, G.S. Staff reporter, Wall St. J. Dallés, W.S. 56; St. 19, etc. 4gr. coon, California, Davis, 62-66; economist, Wilson, 6. Co. Inc. 211, 66-67; ASSOC. PROF. AGR. ECON, CALIFORNIA, DAVIS, 67: Staff economist, Nat. Cmn. Food Mkt. 65-66. Agr. Econ. Asn. Livestock marketing; analyses of firm efficiency; statistical decision theory. Publ: Co-auth, Size and location factors affecting California's beef slaughtering plants, Hilgardia, Univ. Calif. 12/64 & Beef cattle feeding and staughtering in California, Univ. Calif. Agr. Exp. Sta. Bull, 8/66; auth, A conceptual framework for analyzing economies of vertical integration, Am. J. Agr. Econ, 11/69. Address: 1200 Harvard Dr. Davis, Calif. 95616.

 ${\tt LOGAN,\ PROF.\ V(IRGIL)\ G(LENN).}$ Speech. See Suppl. I to 5th ed, Dir. Am. Scholars.

LOHMAN, DR. MAURICE A. Educational Measurement. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Division of Teacher Education, City University of New York, 535 E. 80th St, New York, N.Y. 10021.

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LOISKANDL, DR. HELMUT H, b. Vienna, Austria, Feb. 3, 34. SOCIOLOGY. M.A, St. Gabriel Univ. Philos. E. Theol, Vienna, 60; Ph.D. (sociol), Munich, 67. Asst. sociol, Munich, 65-67; docent sociol. & comp. relig, St. Gabriel Univ. Philos. & Theol, Vienna, 67-68; ASST. PROF. SOCIOL, DePAUL, 68-Comparative religion; sociological theory; sociology of religion; anthropology. Publ. Das ethnologische werk Damian Kreichgauers, Festschrift Schebesta, 63; Edle wilde, heiden und barbaren, St. Gabriel Verlag, 67; coauth, chaps, In: Ursprung der religion, Morus, Berlin, 60. Address: Dept. of Sociology, DePaul University Graduate School, Chicago, Ill. 60604.

LONDON, PROF. KURT L. Political Science, International Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1445 Oakview Dr, McLean, Va. 22101.

LONG, DR. CHARLES RICHARD, b. Ft. Smith, Ark, Aug. 29, 40; m. 63; c. 2. ECONOMICS, REGIONAL SCIENCE. B. 4, Southern Methodist, 61; Ford Found. fel. 4. Ph.D. (econ), Vanderblit, 68. Indust. economist, Altanta Fed. Reserve Bank, Ga, 65-68; ASST. PROF. ECON, GA. STATE, 68.— Consult, Off. Comprehensive Health Planning, Ga. Dept. Health, 69.— Econ. Asn; Regional Sci. Asn. Economic fluctuations and economic forecasting; urban and regional acconomics; social accounting. Publ: Impact of defense spending of the district economy, 7/66 & Job growth; population centers vs. hinterland, 11/67, Atlanta Fed. Res. Bank Monthly Rev; Forecasting specific turning points, J. Am. Statist. Asn, 6/70. Address: Dept. of Economics, Georgia State University, Atlanta, Ga. 30303.

LONG, DR. DURWARD. American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

- LONG, DR. LOUIS. Psychology. See 11th ed, Soc. & Behav. Vols, deceased
- LONG, DR. MILLARD F(ILLMORE). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Res. fel, 70-, Harvard Development Advisory Service, 1737 Cambridge St, Cambridge, Mass. 02138.
- LONG, DR. NEAL BASIL, JR. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 70e, Dept. of Economics, Youngstown State University, Youngstown, Ohio 44503.
- LONG, PROF. NORTON E. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. 68-, Dept. of Political Science, University of Illinois, Urbana, III. 61801.
- LONG, DR. ROY C(LEVELAND). Clinical & Physiological Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address; 4031 Echo Glen, Dallas, Tex. 76234.
- LONG, DR. WESLEY HOWARD. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. dir. in charge regional anal. center, 69-, Institute for Research on Land & Water Resources, Pennsylvania State University University Park, Pa. 16802.
- LONGMIRE, RICHARD M, Electrical Engineering, Systems Analysis. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- LOOMIS, DR. RICHARD T. Modern American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- LOOS, DR. A. WILLIAM. Social Ethics, Religion. See Suppl. I to 5th ed, Dir. Am. Scholars.
- LOPATA, DR. HELENA Z(NANIECKI). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. sociol, Loyola (III), 69-Address: 220 E. Walton, Apt. 4W, Chicago, III. 60611.
- LOPREATO, PROF. JOSEPH. Sociology, Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Prof. & chmn, 69-, Dept. of Sociology, University of Texas, Austin, Tex. 78712.
- LORANT, DR. JOHN HERMAN. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Econ. res. assoc, 69-, Dept. of Economic Research, American Medical Association, 535 N. Dearborn St, Chicago, III. 60610.
- LORBER, NEIL M. b. Brooklyn, N.Y. Feb. 12, 39. COUNSELING, BEHAVIORALI SCIENCE. A.B. Brooklyn Col. 60, M.S. 61; A.M. N.Y. Univ, 63,
 Ph.D. Icounseling), 87. Teacher, pub. schs, New York, 60-63; counst, high
 sch, N.J. 64-65; Manhattan Community Col. N.Y. 65; res. specialist, Bur.
 Ed. Res., Bd. Ed. Clity of New York, 65-68; ASSOC. PROF. NEWARK STATE
 COL., 68- Psychol. Asn; Sociol. Asn; Ed. Res. Asn; Personnel & Guid. Asn.
 Sociometric analysis; measurement and evaluation; social-psychopathology;
 social psychology and theory. Publ: Inadequate social acceptance and disruptive classroom behavior, J. Ed. Res., 4/66; The reliability and validity of
 sociometric measures, Am. Sociologist, 8/69; Concomitants of social acceptance: a review of research, Psychol, 5/69. Address: 899 Boulevard E,
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- LORCH, PROF. ROBERT S(TUART). Political Science. See L-Z Vol. 11th ed. 80c. & Behav. Vols. New position & address: Prof. 69-, Dept. of Political Science, University of Colorado, Colorado Springs, Colo. 80907.
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- LORENZINI, DR. AUGUST PETER. Speech, Communications. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- LORIG, PROF. ARTHUR N(ICHOLAS). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof. Washington (Seattle), 68-Address: 10704 Durland Ave. N.E., Seattle, Wash. 98125.
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- LOTT, PROF. STANLEY GEORGE, b. Walmit Grove, Miss, Jan. 3, 36; m. 57; c. 3. SOCIOLOGY A.B., La. Col., 57; B.D., New Orleans Baptist Theol. Sem, 61, Th.D. 68. PROF. SCCIOL, THT FCOL, 67- Dynamics of the family and social disorganization. Address: Dept. of Sociology, Tift College, Box F-28, Forsyth, Ga. 31029.
- LOTTO, DR. GARY. Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Psychologist, Int. Bus. Mach. World Trade Corp, New York, 69- Address: R.D. 2, Knolls Rd, Putnam Valley, N.Y. 1657.
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- LOUCH, PROF. ALFRED. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

- LOUCKS, PROF. ROGER B(ROWN). Psychology. See L.-Z Vol. 11th ed. Soc. & Behav. Vols. New information: Emer. prof. 68-, Dept. of Psychology, University of Washington, Seattle, Wash. 98105.
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- LOURENCO, DR. RUY V(ALENTIM). Medicine, Physiology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- LOVE, DR. ROBERT F, b. Clinton, Ont, May 4, 34; m. 60; c. 3. MANAGE-MENT SCIENCE, OPERATIONS RESEARCH. B.A. Se, Toronto, 56; M.B.A. Western, Ontario, 60; Ph.D. Imgt. sci), Stanford, 65. Res. & develop, engr. Anthes-Imp. Ltd, 56-59; aset, prof. mgt. sci, California, Berkeley, 64-65, Western Ontario, 65-66, OPERS, RES, WISCONSIN, MADISON, 66-68. ASSOC. PROF, 66- Inst. Mgt. Sci; Opers. Res. Soc. Am; Can. Oper. Res. Soc. Inventory theory; facility location theory; queuing theory; integer programming. Publ: A two-station stochastic inventory model with exact methods of computing optimal policies, Vol. 14, No. 2 & Locating facilities in three-dimentional space by convex programming, Vol. 16, No. 4, Naval Res. Logistics Quart; Steady state solution of the queuing system Ew/M/S with bulk service, Opers. Res, Vol. 18, No. 1. Address: University of Wisconsin Graduate School of Business, Madison, Wis. 53706.
- LOVE, DR. THOMAS M, b. Wisconsin Rapids, Wis, Mar. 3, 39; m. 63; c. 3. ECONOMICS. B.S. Wis. State, Stevens Point, 62; M.S. Wisconsin, Madison, 65, Ph.D. (econ), 68. ASST. PROF. ECON, MASSACHUSETTS, 67. Lectr. Smith Col, 68-69. Indust. Rels. Res. Asn; Asn. Evolutionary Econ. Labor economics and industrial relations. Publ: Municipal employment relations in Wisconsin: administration, Wis. Law Rev, summer 65 & Joint committees: their role in the development of teacher bargaining, Labor Law J. 3/69. Address: 59 Valley View Dr., Amherst, Mass. 01002.
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- LOVELL, DR. C. A. KNOX. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 68-, Dept. of Economics, University of North Carolina, Chapel Hill, N.C. 27514.
- LOVELL, PROF. MICHAEL CHRISTOPHER. Economics. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Prof. 69-, Dept. of Economics, Wesleyan University, Middletown, Comn. 06457.
- LOVINGER, PROF. EDWARD. Psychology. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position & address: Prof. 68-, University of Nevada at Las Vegas, Las Vegas, Nev. 89109.
- LOWE, DR. GEORGE DEANE, II, b. Columbus, Ga, May 26, 34; m. 59; c. 2. SOCIOLOGY. B.A, Georgia, 58; M.S. Pa. State, 61; Ph.D. (rural sociol), Cornell, 66. ASST. PROF. SOCIOL, GEORGIA, 64. Vis. asst. prof. Emory, 65; consult, Georgian Clin. Div. Ga. Ment. Health Inst, 67- Sig.C, U.S.A, 54-56. Sociol. Asn; Rural Sociol. Soc; Soc. Study Social Probs; Pub. Health Asn. Sociology of health and mental health; alcoholism. Publ. Co-auth, The diffusion of two preventive health practices, Inquiry, 6/68, Health care styles in rural and urban areas, Rural Sociol, 9/68 & Day hospital treatment of the alcoholic patient, Quart. J. Studies on Alcohol, 9/68. Address: Dept. of Sociology & Anthropology, University of Georgia, Athens, Ga. 30601.
- LOWE, DR. ROLAND C, b. Providence, R.I, Oct. 18, 31; m. 58; c. 2. PSY-CHOLOGY. B.A, Massachusetts, Amherst, 57; Ph.D. (psychol), Clark, 62. Chief psychologist, Childrens Health Coun, Palo Alto, Calif, 64-68; CHMN. PSYCHOL. DEPT, SANTA CLARA, 69- Psychol. Asn. Developmental study of matriage; communication in engaged couples. Address: Dept. of Psychology, University of Santa Clara, Santa Clara, Calif. 95053.
- LOWENKOPF, DR. MARTIN, b. Perth Amboy, N.J., Mar. 16, 28; m. 57; c. 2. POLITICAL SCIENCE. B.S., Virginia, 49; New Sch. Soc. Res, 51-53; M.S. London, 61, Ph.D. (polit. sci), 69. Partner, Italian Marble Co, 64-58; res. analyst Africa, U.S. Dept. State, 62-66; sr. res. fel. POLIT. SCI, Univ. Col, Dar es Salaam, 66-67; ASST. PROF, Stanford, 68-69; FRANKLIN & MARSHALL COL, 70. Political development in less developed nations and United States diplomatic relations with third world, especially Africa. Publ: Uganda, In: Islam in Africa, Van Nostrand, 69; A second look at Liberia,

10/66 & Meaning of Arusha, 3/67, Africa Report. Address: Dept. of Government, Franklin and Marshall College, Lancaster, Pa. 17604.

LOWENKRON, DR. Z(ANE) BARRY, b. New York, N.Y. Nov. 28, 40; m. 66; c. 1. PSYCHOLOGY. B.A, California, Los Angeles, 62, U.S. Pub. Health Serv. fel, 62-63, M.A, 65; Nat. Sci. Found. summer fel, New Mexico, 67, Nat. Defense Ed. Act fel, 67-68, Ph.D.(psychol), 68. ASST. PROF. PSY-CHOL, MARQUETTE, 68-8 Human learning, especially conceptual learning and utilization. Publ: Co-auth, Incentive magnitude, task orientation and persistance, Child Develop, 64 & Yoked group comparison of selection and reception paradigms, Psychol. Reports, 68; auth, Nonoutcome trial behavior: J. Predictor of solution shift behavior; J. Exp. Psychol, 10/69. Address: Dept. of Psychology, Marquette University, Milwaukee, Wis. 53233.

LOWENSTEIN, J(ACK) G(ERT). Chemical Engineering. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

LOWENTHAL, DR. ALAN, b. New York, N.Y, Mar. 8, 41; m. 66; c. 2. PSY-CHOLOGY. B.A, Hobart Col, 62; M.A, Ohio State, 65, U.S. Pub. Health Serv. fel, 66-67, Ph.D. (gsychol), 67. Intern Clin. psychol, med. center, California, San Francisco, 65-66; U.S. Pub. Health Serv. fel. child clin. psychol, Reiss-Davis Child Study Center, 67-69; ASST. PROF. PSYCHOL, CALIF. STATE COL. LONG BEACH, 69- Psychol. Asn. Development theory; learning; personality theory. Address: Dept. of Psychology, California State College at Long Beach, Long Beach, Calif. 90804.

LOWI, PROF. THEODORE J(AY). Political Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. Chicago, 69 - New publ: Group politics and individual freedom: modern society and the supression of choice, Holt, 70. Address: Dept. of Political Science, University of Chicago, Chicago. III. 60637.

LUBALIN, DR. JAMES S(PENCER), b. New York, N.Y, Dec. 18, 42; m. 64. SOCIAL PSYCHOLOGY. B.S, Rensselaer Polytech, 64; M.A. Syracuse, 66; N.Y. Regents Col. (el, Michigan, 66-69), Ph.D. (psychol), 69. Asst. soc. psychol, Michigan, 66-69; lectr. & res. fel, soc. rels, Harvard, 69-70; ASST. PROF. PSYCHOL, VIRGINIA, 70. Assoc. Psychol. Asn; assoc. Soc. Psychol. Sudy Social Issues. Experimental, (field and computer simulation studies of attitude and opinion processes; explorations of role-playing methodologies in social research; content analytic examination of political pressure on the news media. Address: Dept. of Psychology, Glimer Hall, University of Virginia, Charlottesville, Va. 22903.

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LUBIN, DR. GERALD I, b. Brooklyn, N.Y., Mar. 29, 28; m. 54; c. 4. PSY-CHIATRY. B.S., Notre Dame, 49; M.D., Texas, 54. Intern, Queen of Angels Hosp, Los Angeles, Calif, 55; res. psychiat, U.S. Vet. Admin. Center, Los Angeles, Univ. California, Los Angeles & Los Angeles Schid Guid. Clin, 55-59; psychiatrist in charge, San Pedro Br, Los Angeles Sch. Guid. Clin, 59-63; fel, dept. child psychiat, M. Sinai Hosp, Los Angeles, 63-65; asst. prof. CHILD PSYCHIAT. & ASST. PROJ. DIR, UNIV. AFFILIATED PROJ. CHILDERNS HOGP. LOS ANGELES, 69- Clin. Instr. California, Los Angeles, 59-63; supv. residents in child psychiat, Los Angeles Harbor Gen. Hosp, 59-63, supv. residents in child psychiat, Los Angeles Harbor Gen. Hosp, 59-63, med. dir, Culver City Guid. Clin, 65. Attend. staff psychiatrist, Cedars Mt. Sinai Med. Center, Childrens Hosp. & Los Angeles County Gen. Hosp. Consult. psychiatrist, Porterville State Hosp, Spastic Childrens Found. Los Angeles County State Dept. Ment. Hyg. Dept. Voc. Rehab; Los Angeles County Dept. Ment. Hyg. Cert. adult psychiat, Am. Bd. Psychiat. & Neurol, 52, child psychiat, 68. Am. Med. Asn, Psychiat. Asn, Orthopsychiat. Asn. Group therapy with adolescent retardates. Address: University Affiliated Project, Children's Hospital of Los Angeles, 4650 Sunset Bird, Los Angeles, Calif. 90027.

LUBLIN, DR. IRWIN. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Psychology, California State College at Los Angeles, Los Angeles, Calif. 90323.

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LUBMAN, PROF. STANLEY BERNARD. Law, Chinese Studies. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

LUCAS, PROF. CHARLES M(CHAEL). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. 69-, Western Connecticut State College, 181 White St, Danbury, Conn. 06810.

LUCHSINGER, PROF. VINCENT PETER, b. Dubuque, Iowa, July 1, 29; m. 57; c. 6. MANAGEMENT, BEHAVIORAL SCIENCES. B.A. LOTAS COI, 49; M.A. TEXAS Tech, 59, Ph.D. (psychol), 62. Assoc. prof. MOT, TEXAS TECH, 63-66, PROF. & CHMN. DEPT, 66-Summer 161s, Ford Found, 63 & IBM Found, 64. U.S.A. F., 49-59, Lt. Col. Psychol. Asr, Acad Mgt; Inst. Mgt. Sci. Human behavior in organizations; management and administrative systems; decision theory. Address: Dept. of Management, Texas Tech University, Lubbock, Tex. 79409.

LUCK, PROF. DAVID J(OHNSTON). Marketing. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn. dept. mkt, 69-, Southern Illinois University, Second Floor University Center, Edwardsville, Ill. 62025.

LUCK, DR. PATRICK WILLIAM, b. Rome, N.Y, Feb. 11, 35; m. 66; c. 1. SO-CIOLOGY. B.A, Vermont, 60; Nat. Defense Ed. Act fel, Connecticut, 61-64, M.A, 63, Ph.D.(sociol), 95. Res. asst. socio-psychol. factors myocardial infarction & instr. sociol, Connecticut, 64-68; ASST. PROF. SOCIOL, TEM-PLE, 68-Med. res. scientist, East. Pa. Psychiat. Inst, 68-U.S.A, 54-55. Sociol. Soc; Soc. Study Social Probs. Social determinants of self-esteem; socio-psychological factors in myocardial infarction. Address: 6635 Mc-Callum St, Philadelphia, Pa. 19119.

LUCOW, DR. WILLIAM H, b. Winnipeg, Man, Oct. 11, 16; m. 40; c. 2. EDU-CATIONAL PSYCHOLOGY & STATISTICS. B.A, Mantoba, 46, B.Ed, 48, M.Ed, 51; M.A, Ottawa, 50; Ph.D.(ed. psychol. res, statist), Minnesota, 53. Teacher & prin, pub. schs, Man, 36-56; assoc. prof. ed. psychol, Manitoba, 56-64; chief res, Dominion Bur. Statist, Govt. Can, 64-70; DIR. MGT. INFO. SYST, STATE DEPT. ED, N.J, 70- Prof. Ottawa, 65-70; summers, vis. prof. Kansas, 53, 54 & 55; Alberta, 66. Consult, Syst. Develop. Corp. Calif. 69. Fel. AAAS; Ed. Res. Asn. Educational research; statistical analyses; surveys; experimental studies; computer applications. Publ: The organization and administration of public schools in Canada, 66 & Post-secondary student population survey, 1966-69, 70, Queen's Printer; School marks and professional integrity, McGill J. Ed. 69. Address: Management Information System, State Dept. of Education, 225 W. State St, Trenton, N.J. 08625.

LUCY, DR. HERBERT EUGENE, b. Meridian, Miss, July 9, 27; m. 48; c. 2. PSYCHOLOCY. B.A. William Carey Col, 50; M. Ed. Southern Mississippi, 58; fel, 66-61, Ed.D. (counseling, psychol), 62. Instr. pub. schs, 50-60; instr. ed. & counselor, Southern Mississippi, 61-62; assoc. prof. ed. & dir. counseling & testing, Delta State Col, 62-65; ASSOC. PROF. PSYCHOL. & DIR. STUDENT COUNSELING, SOUTHERN MISSISSIPPI, 66- Chmn. regional screening cmt. spec. ed, Miss. State Dept. Ed, 63-66, consult, div. voc. rehab, summer 67. Psychol. Asn. Personnel & Guid. Asn, Nat. Voc. Guid. Asn. Factors related to academic success and survival in higher education; descriptive research with various college samples; personality assessment; group counseling theory; psychoactive drugs and influence on behavior. Address: Box 75, University of Southern Mississippi, Southern Station, Haltiesburg, Miss. 39401.

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LUEBKE, DEAN MARTIN FREDERICK. Educational Philosophy, Psychology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

LUESCHEN, DR. G(UENTHER), b. Oldenburg, Germany, Jan. 21, 30; m. 58; c. 2. SOCIOLOGY, Ph.D. (sociol), Graz, 59; M.A., Bonn, 60; Michigan, 60-61. Res. assoc. SOCIOL, Cologne, 61-65; dozent, Ed. Col. Bremen, 65, ASSOC. PROF, 66; ILLINOIS, URBANA, 66- Gen. secy, int. cmt. sociol. sport, Int. Sociol. Asn, 64-; vis. lectr, Illinois, 65. Sociol. Asn. Sociology of sport and family; comparative sociology; general theory and social conflict; sociology in Europe. Publ: Jugend in der Famille, Juventa, Munich, 65; Kleingruppenforschung und Gruppe im Sport, Westdeutscher, 66; The sociology of sport. Mouton, Paris, 68. Address: Dept. of Sociology, University of Illinois, Urbana, Ill. 61801.

LUETGERT, DR. M(ARY) J(ANE), b. Oak Park, Ill, Dec. 8, 39; m. 67. PSY-CHOLOGY. Mus.B, Oberlin Clonserv. Music, 61; univ. fel, Indiana, 61-62, Ph.D. (bgsychol), 67; A.B, Oberlin Col. 62; U.S. Pub. Health Serv. fels, Indiana, 64-65 & Northwestern, 66-67. ASST. PROF. PSYCHOL, ILLINOIS, CHICAGO CIRCLE, 67-AAAS; Psychol. Asn. Human learning theory and applications. Address: Dept. of Psychology, University of Illinois at Chicago Circle, Chicago, Ill. 60680.

LUKAS, DR. PAUL ANDRE, b. Indonesia, June 18, 40; m. 69. MANAGEMENT SCIENCE. M.B.A, Pittsburgh, 64, Ph.D. (mgt. sci), 69. Instr. MGT. SCI, Pittsburgh, 66-68; ASST. PROP, HOUSTON, 69- Inst. Mgt. Sci. Critical path method; improving project duration in network planning. Publ: Simulation of PERT networks to evaluate selected distributions using experimental data, Int. Meeting Inst. Mgt. Sci., 7/70; co.-auth, Personal values across culture, J. Soc. Psychol, (in press). Address: Dept. of Management Science, College of Business, University of Houston, Houston, Tex. 77004.

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LUNDAY, DR. AUDREY MOSTOLLER, b. Deer River, Minn, Sept. 2, 36; m. 67; c. 2. SPEECH PATHOLOGY. B.Sc, St. Cloud State Col, 56; M.A. Ohio State, 59, Ph.D. (speech sci), 67. Speech therapist in charge, Royal Victoria Hosp, Montreal, Que, 59-63; asst. dir, McGill Sch. Human Communication Disorders, Montreal, 83-65; COORDENATOR SPEECH THERAPY SERV, DIV. SPEC. ED, MINOT STATE COL, 67- Speech & Hearing Asn; Coun. Excep. Children. Laryngeal and vocal disorders; language patterns of the culturally deprived; incidence and location of specific organic abnormalities affecting speech. Address: Speech & Hearing Clinic, Minot State College, Minot, N.Dak. 58701.

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LUNDSTEDT, PROF. SVEN. Psychology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. 68-, College of Administrative Science, Ohio State University, 1775 S. College Rd, Columbus, Ohio 43210.

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LUPRI, DR. EUGEN, b. Remscheid, Germany, July 5, 28; m. 55; c. 3. SOCI-OLOGY. B.A, McPherson Col, 55; M.A, Wisconsin, 59, Ph.D. (sociol), 67. Instr. sociol, Wisconsin, 60-61; dir. soc. res, Divo Inst. Econ. & Soc. Res, Frankfurt, Germany, 62-66; asst. prof. SOCIOL, Kansas State, 67-68, ASSOC. PROF, 68-69; CALGARY, 69- Nat. Sci. Found, grant, 69- Assoc. ed, int. dept, J. Marriage & Family, 67- Am. Sociol. Asn; Can. Sociol. & Anthrop. Asn; European Soc. Rural Sociol; German Sociol. Soc. Application of survey approach to problems in cross-national studies; political and comparative sociology; sociology of the family; theory construction. Publ: Contemporary authority patterns in the West German family: a study in cross-national validation, J. Marriage & Family, 2/69; Theoretical and methodological problems in cross-national research, European J. Rural Sociol, Vol. 9, No. 2; Soziologische bedeutung der wahlanalyse, Politiche Psychologie, Vol. 8, No. 1. Address: Dept. of Sociology, University of Calgary, Calgary 44, Alta, Can.

LURIE, DR. EDWARD. American History, History of Science. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

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History, Everett Edwards, 69. Address: Dept. of History & Political Science, Stetson University, DeLand, Fla. 32720.

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LYONS, DR. WILLIAM CLAYPOOL. Engineering Mechanics, Applied Mathematics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

LYSAK, LT. COL. WILLIAM, U.S.A. Psychology. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position & address: Psychologist, 69-, Rohrer, Hibler & Replogle, Plaza 600 Bldg, Suite 504, 600 Stewart St, Seattle, Wash. 98101.

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- MACAULAY, PROF. STEWART. Law. See 5th ed, Dir. Am. Scholars, Vol. IV. Philos. Relig. & Law.
- McBATH, PROF. JAMES HARVEY. Speech. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- McBRIDE, DR. DON W, b. Washington, D.C, Sept. 20, 24; m. 47; c. 5. CLIN-ICAL PSYCHOLOGY. A.B, Brigham Young, 47; Ph.D. (counseling psychol), Mich. State, 52. Dir, Latter-day Saints Inst. Relig, Nev, 53-55; asst. prof. ed. psychol, Park Col, 55-56; supvr. testing & pub. rels, Granite Sch. Dist, Salt Lake City, Utah, 56-58; clin. asst. prof. psychiat, col. med, Utah, 56-51; psychologist, Poleng Neuropsychiat. Center, Wichita, Kans, 61-63; head psychol. dept. Inst. Logopedics, 63-69; co-dir, HIP Prof, Larned State Hosp, 66-67; asst. supt, Read Zone Center, III. State Dept. Ment. Health, 67-68; ADMINSTR, FAIRVIEW HOSP, CHICAGO, 68- Asst. prof. res, Wichita State Univ, 63-66. U.S.M.C. 43-46. Psychol. Asn. Psychiatric hospital administration; mental retardation. Address: 1665 Orchard Lane, Northfield, III.
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- McBROOM, DR. WILLIAM H, b. Findlay, Ohio, June 24, 37; m. 60; c. 3. SO-CIOLOGY. B.Sc. Ohio State, 60, M.A, 62, Ph.D. (sociol), 68. Res. asst. psychopharmacol, Columbus Psychata. Inst. & Hosp. 58-60; ment illness, Inst. Study Center, Ohio State Univ, 60-62; statistician, Ohio State Bur. Unemployment Compensation, 62-63; res. analyst, Ohio Rehab. Hosp, 63-68; ASST. PROF. SOCIOL, MONTANA, 68- Univ. Montana summer grant, 70. Consult, East. Mont. Community Health Asn, 68- U.S.A, 55-57. Sociol. Asn. Illness behavior and social organization of health care. Publ: Co-auth, Clinical and self evaluations of employment prospects among cardiovascular disease victims, int. J. Indust. Med. & Surg. 9, 69. Address: Dept. of Sociology, University of Montana, Missoula, Mont. 58801.
- McCALL, DR. JOHN B, b. Sweetwater, Tex, Aug. 22, 37; m. 64; c. 3. ECONOMICS. B.S. Tex. Tech. Col. 60, M. B.A., 61; Ph.D. (econ), Okla. State, 68. Asst. prof. ECON, TEXAS, ARLINGTON, 64-69, ASSOC. PROF, 69. Consult, Am. Gas. J. Tex., 67. U.S.N., 56-58. Transportation; money and banking; history of economic thought. Publ. Co-auth, Iron horses of the Santa Fe Trail, Southwest R.R. Hist. Soc, 65. Address: Dept. of Economics, University of Texas at Arlington, Arlington, Tex. 76010.
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- McCALLUM, PROF. FLOYD F, b. Lapeer Co, Mich, Feb. 13, 20; m. 39; c. 3. PSYCHOLOGY, COUNSELING. A. B. Greenville Col., 47. Th. B. Owosso Col., 48; M.A. Mich. State, 51, Ed.D, 55. 'Prof. psychol, ed. & philos, Owosso Col., 47-48; dir. pub. rels, Greenville Col., 48-49; prof. psychol, ed. & philos, dean, registr. & prin, Spring Arbor Col., 48-53; prof. psychol. & prin, Owosso Col., 53-54; prof. psychol, psychol, psychol, 59; psychol, 59; sr. instr. psychol, Gen. Motors Inst, 56-57; prof. psychol, dean & exec. asst, Owosso Col., 57-67; PROF. PSYCHOL, HOUGHTON COL., 67-7, CHMN. DIV. PSYCHOL. & ED, 70- & 67-69. Consult, Values Workshop, summers 68-67. Counseling services; education; philosophy. Address: Dept. of Psychology, Houghton College, Houghton, N.Y. 14744.
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- McCLELLAND, DR. EDWARD L, b. Rockford, Ill, July 22, 36. ECONOMICS. B.S.E.E, Purdue, 58; M.B.A, Florida, 65, Ph.D.(agr. econ), 69, RES. ECONOMIST, FED. RESERVE BANK DALLAS, 69- U.S.A.F, 58-62, 15 t.L. Agr. Econ. Asn. Econ. Asn. Advertising budget allocations; economic allocation theory; operations research. Address: Federal Reserve Bank of Dallas, Dallas, Tex. 75222.
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- McCLURE, DR. GEORGE T. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- McCLURE, DR. JAMES NATHANIEL. Psychiatry. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- MACCOBY, DR. MICHAEL. Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Vis. Iel. inst. policy studies & res. assoc. prog. tech. & soc. 69-, Harvard University, 1520 New Hampshire Ave. N.W, Washington, D.C. 20036.
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68-69; SCH. PUB. HEALTH, CALIFORNIA, LOS ANGELES, 69- Fel. Anthrop. Asn. Culture and social change; cultural and human evolution; biocultural studies; ethnographic films; creative writing. Publ: Lactase deficiency: an example of dietary evolution, Current Anthrop, (in press). Address: School of Public Health, University of California, Los Angeles, Calif.
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McCROSKEY, DR. JAMES C(LAYBORNE), b. Platte, S.Dak, Oct. 6, 36; m. 57; c. 5. COMMUNICATIONS, SPEECH. B.S. South. State Col. (S.Dak), 57; M.A. South Dakota, 59; D.E.d. (Sepech, de. psychol), Pa. State, 66. Instr. high sch, S.Dak, 57-60; speech, Pa. State, 66. Instr. pnd; Mary, 61-63; instr. speech, Pa. State, 66-63; est. pnd, Mich. State, 66-68; commun, 68-69; ASSOC, PROF. SPEECH COMMUN. & DIR. GRAD. STUDIES, ILLINOIS STATE, 69-Speech Commun. Asn; Int. Commun. Asn, 2m. Forensic Asn. Communication education; message variable in attitude change. Publ: introduction to rhetorical communication, 68 & Introduction to interpersonal communication, 71, Prentice-Hall; co-auth, Elements of debate, Arco, 69. Address: Dept. of Speech Communication, Illinois State University, Normal, Ill. 61761.

McCULLERS, DR. JOHN C. Psychology. See L-Z Vol, 11th ed, Soc. & Behav-Vols. New position & address: Assoc. prof, 68-, Dept. of Psychology, Georgia State University, 33 Gilmer St. S.E, Atlanta, Ca. 30303.

McCULLY, DR. ROBERT S(TEPHEN). Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Grad. C.G. Jung Inst. Psychoanal, 68. Prof. & head, 69-, Division of Psychology, Medical University of South Carolina, 80 Barre St, Charleston, S.C. 28401.

McCUNE, PRES. ELLIS E, b. Houston, Tex, July 17, 21; m. 46; c. 1. POLITICAL SCIENCE. B.A, California, Los Angeles, 48, Ph.D. (polit. sci), 57. Teaching asst. polit. sci, California, Los Angeles, 49-51; from instr. to

assoc. prof, Occidental Col, 51-59; from asst. prof. to prof, San Fernando Valley State Col, 59-63; State Col. dean acad. planning, Calif. State Cols. 63-67; PRES, CALIF. STATE COL. HAYWARD, 67-Mem, Calif. State Scholar. & Loan Cmn, 64-69, chmn, 64-69. U.S.A.A.F. 42-46, S/Sgt. Polit. Sci. Asn. College administration. Publ: Metropolitan Los Angeles, a study in integration, Haynes Found, Los Angeles, 54. Address: 5851 Highwood Rd. Castro Valley, Calif. 94546.

McCUNE, PROF. SHANNON. Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn, 69-, Dept. of Geography, University of Florida, Gainesville, Fla. 32601.

McCURTAIN, DR. MARILYN E, b. Berkeley, Calif, Jan. 6, 28. POLITICAL SCIENCE. B.A, Occidental Col, 49; M.A, California, Berkeley, 55; Ph.D. (polit. sci), Washington (Scattle), 65. Tech. officer, 1960 Decemial Census, U.S. Bur. Census, 59-60; res. assoc, Wash. Pub. Opinion Lab, Washington (Scattle), 60-61; RES. POLIT. SCIENTIST, OPINION RES. LaB, 61- Acad. Polit. Sci; Polit. Sci. Asn, Asn. Pub. Opinion Res. Program evaluation for state and local government, evaluating health programs; education, Office of Economic Opportunity; regional planning; model city programs. Address: Opinion Research Lab, 2108 N. Pactific, Scattle, Wash. 98103.

McDANIEL, DR. CLYDE OLIVER, JR, b. Fayetteville, N.C, Oct. 22, 35. m. 61. c. 2. SOCIOLOGY, EDUCATION. B.S, Fayetteville State, 60; M.A, N.C. Col. Durham, 63; Ph.D. (sociol. res), Pittsburgh, 66. Teacher, elem. sch, N.C. 60-61; asst. sociol, N.C. Col. Durham, 61-63; instr. & teaching fel, Pittsburgh, 66. 66: sr. res. assoc. appl. fed. res, Insts. Res, 65-67; asst. prof. SOCIOL, Atlanta, 67-68; Ga. State Col., 68-69; ASSOC. PROF, PITTSBURGH, 69- Lectr, N.Y. & Emory Univs, 67-68; dir. res. & eval, Atlanta & Emory Univs, 67-68. Consult, Res. Group, Inc., 68-69; Volt Tech. Corp. D.C. & Ga. 68-70; New York City Teacher Corps, N.Y. Univ, Univ-Urban Interface Prog. Univ. Pittsburgh & Allyn & Bacon Pub. Co., Mass, 69-70. U.S.A, 53-56. Sociol. Ass.; Ed. Res. Asn, Nat. Coun. Family Rels. Evaluation of large-scale educational programs and projects; evaluation of a school decentralization program in Pittsburgh. Publ: Female dating roles and reasons for dating, J. Marriage & Family Living, 69. Toward a professional definition of marriage counseling, Family Coordinator, 70 & Participation in extra-curricular activities, social acceptance and social rejection among educable mentally retarded students, Ed. & Training of Mentally Retarded, 70. Address: 2004 Somy St, Pittsburgh, Pa. 15221.

McDANIEL, DR. JAMES WINNARD, b. Dallas, Tex. Feb. 11, 36; m. 61; c. 2. PSYCHOLOGY. B.S, North Texas State, 57, M.S. 59; Ph.D. (psychol), Texas Tech, 64. Psychologist, Terrell State Hosp, 58-59; Laradon Hall Center, 59-60; State Dept. Rehab, Colo, 60-61; dir. opers, res. Ohio Bur. Voc. Rehab, 64-65; nstr. PHYS. MED. & REHAB, SCH. MED. COLORADO Bur. Voc. 66, ASST. PROF, 66-, CLIN. PSYCHOL, DEPT. PSYCHIAT, 69- AAAS, Am. Psychol. Asn; Am. Rehab. Counseling Asn. Psychological effects of chronic Illness and physical disability; allied health professional education; medical education; organ transplantation and artificial internal organs. Publ: Physical disability and human behavior, Pergamon, 69; Disability and vocational redevelopment, J. Rehab, 63 & Rehabilitation research in state agencies. Rehab. Lit, 65. Address: Box 2738, 4200 E. Ninth Ave, University of Colorado School of Medicine, Denver, Colo. 80220.

McDANIEL, DR. SUSAN GRIFFITH. Zoology. See Suppl. V to 11th ed. Phys. & Biol. Vols.

McDERMOTT, DR. JAMES KENNETH. Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. div. planning utilization & eval, 70. Office of Research & University Relations, U.S. Agency for International Development, Washington, D.C. 20523.

McDERMOTT, DR. JOHN F. JR. b. Hartford, Com, Dec. 12, 29; m. 58; c. 2. PSYCHIATRY. A.B., Cornell, 51; M.D., N.Y. Med. Col, 55. Intern, Henry Ford Hosp, 55-65; res. psychalt, med. center, Michigan, 56-58; fel. child psychiat, 60-62; mstr. PSYCHIAT, 61-64, asst. prof, 64-66, assoc. prof, 66-69; PROF. & CHMN, DEPT, SCH. MED. HAWAII, 69. Mem, Nat. Med. Adv. Bd. Ed. Filim Prod, 67; cmt. cert. child psychiat, Am. Bd. Psychiat & Neurology, 70- Med.C, U.S.N.R, 58-80, Lt. Comdr. Fel. Psychiat. Asverbel. Col. Psychiat; Group Adv. Psychiat; M. Med. Asn. Child psychiatry; social class and mental illness; divorce and its effects on children. Publ.: Co-auth, Psychiatry for the pediatrician, Norton, 70 & Social class and mental illness in children: the diagnosis of organicity and mental retardation. In: Annual progress in child psychiatry y divorce and its children: the diagnosis of organicity and mental retardation. In: Annual progress in child psychiatry y and child development, Brunner-Mazel, 68. Address: Dept. of Psychiatry, University of Hawaii School of Medicine, Leahi Hospital, 3675 Kilauea Ave, Honolulu, Hawaii 96816.

McDERMOTT, BRIG. GEN. R(OBERT) F(RANCIS), U.S.A.F. (RET). Economics. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Pres, 69-, United Services Automobile Association, 4119 Broadway, San Antonio, Tex. 78215.

McDIARMID, DR. COLIN GORDON. Experimental Psychology. See L.-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. 68-, Dept. of Psychology, Mankato State College, Mankato, Minn. 56001.

McDIARMID, DR. JOHN. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 15 Friends Colony West, New Delhi, India.

McDILL, REV. THOMAS HALDANE. Pastoral Care & Counseling. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

McDONALD, DR. DAVID G(EORGE). Experimental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. & chmn, 69-, Dept. of Psychology, University of Missouri, Columbia, Mo. 65201.

McDONALD, DR. JAMES R(OBERT). Geography. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. 68-, Dept. of Geography & Geology, Eastern Michigan University, Ypsilanti, Mich. 48197.

- MacDONALD, DR. JOHN LAUCHLIN. Mathematics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- McDONALD, PROF. MARGARET FRANCES, b. Zanesville, Ohio, Jan. 23, 08. AGRICULTURAL ECONOMICS, RURAL SOCIOLOGY. B.A, Ohio State 29, M.Sc., 41; American Univ., 94. Asst. instr. AGR. ECON, OHIO STATE, 29-42, Instr., 42-46, asst. prof., 46-59, ASSOC PROF. 59- Del, Int. Agr. Econ. Asn, Mysore, India, 58. Agricultural prices; analysis of Ohio agriculture from census and other available data. Publ: Co-auth, Ohio farm prices handbook, 6 ed, 58-65, Facts about Ohio farming, 3rd rev. ed, 61 & Ohio agriculture, 68 & 6th rev. ed, 70, Ohio Coop. Agr. Exten. Address: Dept. of Agricultural Economics, Ohio State University, Columbus, Ohio 43210.
- MacDONNELL, DR. JOHN F(RAZIER) F(RANCIS). Guidance. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 12 Shields' St, Newport, R.I. 02840.
- McDONOUGH, DR. JOHN H, b. Meriden, Conn, Oct. 21, 17. INTERNATIONAL RELATIONS. B.A, Yale, 38, M.A, 41, Ph.D. (int. rels), 49. Asst. prof. INT. RELS, Mississippi, 47-49; GEORGETOWN, 49-57, ASSOC. PROF, 57- DIR. LATIN AM. STUDIES PROG, 66- Ford Found. study grant int. rels, 54; Orgn. Am. States res. fel. frontier integration, Colombia & Venezuela, 65-66. U.S.A, 41-45. Polit. Sci. Asn; Latin Am. Studies Asn. Latin American integration. Address: 70-101 Marguerite Court, Annadale, Va. 22003.
- McDONOUGH, MAJ. JOHN PAUL, U.S.A.F., b. Carbondale, Pa, Nov. 1, 26; m. 53; c. 2. PSYCHOLOGY. B.S. Seton Hall, 50; M.S. Purdue, 61, Ph.D. (psychol), 66. U.S. AIR FORCE, 51-, Instr. PSYCHOL, U.S. AIR FORCE ACAD, 61-64, asst, prof. 64-67, ASSOC. PROF, 67: Selection procedures used in assigning personnel to overseas stations using profile analysis and hierarchical grouping techniques. Address: Dept. of Psychology, U.S. Air Force Academy, Colo. 80840.
- McDONOUGH, DR. LEAH B(ROOKS). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Chief, courts & corrections unit, San Mateo Ment. Health Serv, 67- Address: 2150 Cowper St, Palo Alto, Calif. 94301
- McDOUGAL, PROF. MYRES S(MITH). Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- MacDOUGALL, DR. E(DWARD) BRUCE. Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 69-, University of Pennsylvania, GSFA-119, Philadelphia, Pa. 19104.
- McDOUGALL, JOHN L(ORNE). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Publ: Canadian Pacific Railway: a brief history, McGill Univ, 68 (title change). Address: McDougall Consultants Ltd, 253 Albert St, Kingston, Ont, Can.
- McDOWELL, DR. EUGENE EARLY, III. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. & head, 69-pept. of Psychology, Western Carolina University, Cullowhee, N.C. 28723.
- MACE, DR. ALMON T(URLEY). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 216 Governor's Lane, Harrisonburg, Va. 22801.
- McEACHERN, PROF ALEXANDER WILLIAM, b. Wimipeg, Man, Oct. 17, 28; m. 49; c. 3. PSYCHOLOGY, PUBLIC ADMINISTRATION. B.A, British Columbia, 49, M.A, 50; Harvard, 51-52. Psychol. intern, Vancouver Gen. Hosp, B.C, 49-50; teaching asst, abnormal psychol, British Columbia, 49-50; clin. psychologist, Vancouver Child Guid. Clin. 50-51; res. asst. soc. rels. Harvard, 51-52; res. asst. soc. cshe, exec. studies, grad. sch. ed, Harvard, 52-57; John Tracy Clin. Los Angles, Calif. 57-60; ASSCC. PROP. PUB. ADMIN. SCH. PUB. SOUTHERN CALIFORNIA, 62. PROJ. DIR. YOUTH STUDIES CENTER, 67-, DIR. PUBLISH SYSTERS. INST. 69- Ed, Youth & Soc. 69- Computer applications to social conference of the computer applications of of the computer applicatio
- MACEK, DR. ALBERT J. Experimental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 2432 Sheridan S, Minneapolis, Minn. 55405.
- McELROY, DR. F. WILLIAM. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 68-, Dept. of Economics, Georgetown University, Washington, D.C. 20007.
- MACESICH, PROF. GEORGE. Economics. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New information: Managing ed, Slavic Papers, Florida State Univ, 67- Address: Dept. of Economics, Florida State University, Tallahassee, Fla. 32
- MCEVOY, DR. JAMES, b. Detroit, Mich, Apr. 16, 40; m. 63. SOCIOLOGY, POLITICAL SCIENCE. A.B, Michigan, 63, A.M, 64, Ph.D. (sociol), 68. ASST. PROF. SOCIOL, CALIFORNIA, DAVIS, 67 Spec. consult, Nat. Cmn. Causes & Prev. Violence, 68-70. Sociol. Asn; Polit. Sci. Asn. Social ecology and recreational behavior; political sociology; survey research. Publ: Co-ed, Black power and student rebellion, Wadsworth, 69; Radicals or conservatives: the contemporary American right, Rand McNally, 70. Address: Division of Environmental Studies, University of California at Davis, Davis, Calif. 95616.
- McFADDEN, CHARLES J, O.S.A. Philosophy, Ethics. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

- McFADDEN, DR. FREDERICK R, b. Escanaba, Mich, Apr. 22, 33; m. 58; c. 3. INDUSTRIAL ENGINEERING. B.S., Mich. State, 55; M.B.A., California, Los Angeles, 61; Ph.D. (opera: res), Stanford, 68. Indust. engr. Procter & Gamble Co., 58–59; sr. math. analyst, Lockheed Missiles & Space Co, 60-61; opera: analyst, Stanford Res. Inst, 61–68; asst. prof. bus. admin, Santa Clara, 65–68, assoc. prof. quant. methods & chma. dept, 68–70; ASSOC. PROF. MGT. SCI, COLORADO, 70– U.S.A.F., 57–59, 1st Lt. Inst. Mgt. Sci. Operations research; quality control systems; production and inventory control; mathematical programming. Publ: An analysis of dominion textile's warehousing and distribution system, 64 & 4 study of rapid shutdown in industry in the event of nuclear attack, 66, Stanford Res. Inst; A comparative analysis of alternative quality control plants, Stanford Univ. 68. Address: Dept. of Management Science, University of Colorado, Boulder, Colo. 80304.
- McGEARY, DEAN MARTIN NELSON. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. dean, 69-, Pennsylvania State University, University Park, Pa. 16802.
- McGEE, PROF. SHANNA J, b. St. Paul, Minn, Mar. 6, 23. CLINICAL PSY-CHOLOGY. B.A, California, Berkeley, 47; M.A, Minnesota, Minneapolis, 32; Ph.D. (ellin. psychol), Western Reserve, 59. Clin. psychologist, Wayne County Hosp, Mich, 55-36; assoc. prof. psychol. & dean women, West. State Col. Colo, 58-60; asst. prof. PSYCHOL, DAHO STATE, 60-62, assoc. prof, 62-69, PROF, 69. Fel, med. sch, Wisconsin, 68-69. Consult. psychologist, Southeast. Idaho Ment. Health Center, 61. Psychol. Asn. Psychotherapy; personality dynamics; projective testing. Address: Dept. of Psychology, Idaho State University, Pocatello, Idaho 82cs.
- McGEE, DR. THOMAS F(REDERICK). Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir, 69-1, Mental Health Division, Chicago Board of Health, Civic Center, Chicago, 111. 60602.
- McGILL, PRES. WILLIAM J. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New infor mation: Chancellor, California, San Diego, 68-70; pres, Columbia, 70- Address: Columbia University, New York, N.Y. 10027.
- McGINLEY, DR. A(NDREW) D(ODDS), JR. Industrial Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Pres, McGinley & Co, Inc, Milwaukee, 69 Address: 4160 N. Cherokee Dr, Brookfield, Wiss. 53005.
- McGINN, DR. NOEL F (RANCIS). Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. ed, 69-, Center for Studies in Education & Development, Harvard University, 38 Kirkland St, Cambridge, Mass. 02138.
- McGLONE, DR. EDWARD LEON. Communications, Speech. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. prof. speech, Washington State, 68-Address: 2201 Deane St, Pullman, Wash. 99163.
- McGLOTHLIN, DR. WILLIAM H(ERSCHEL). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Res. psychologist, dept. psychol, California, Los Angeles, 68- Address: 3061 Rambia Pacifico, Malibu, Calif. 90265.
- McGOUGH, DEAN BOBBY CORNEILUS, b. Lake City, Ark, Nov. 10, 21; m. 56; c. 2. BUSINESS, ECONOMICS. B.S, Arkansas State, 46; M.B.A, Syracuse, 51; Equitable Life Assurance Soc. fel, Florida, 59, Ph.D, 62. Store mgr, Goodyear Tire & Rubber Co, Memphis, Tenn, 48-50; instr, col. bus, Florida, 51-52 & 55-56, appraiser real estate, 57-62; salesman, Cent. Fla. Realty Co, Ocala, 52-53; appraiser real estate, 57-62; salesman, Cent. Fla. Realty Co, Ocala, 52-53; appraiser real estate, 57-62; salesman, Cent. Fla. Realty Co, Ocala, 52-53; appraiser real estate, 58-65; appraises. State of Fla, 56-57; assoc. prof, col. bus. & pub. admin, Arizona, 62-65; PROF, BUS. & DEAN COL., ARKANSAS STATE, 65- Participant, bus. deans seminar, Am. Asn. Collegiate Schs. Bus. 66; consumer exec. prog. for v.pres. & deans, Int. Bus. Mach. Corp, San Jose, Calif, 67; Mortgage Bankers Asn. fel, Northwestern, 68. Consult, shopping center location, Nogales, Ariz, 64-65. U.S.A.A.F, 42-46, Lt. Col. Econ. Asn; Finance Asn; Real Estate & Urban Econ. Asn. Eminent domain in real estate and appraising techniques followed in this action; university curriculum and administrative policies; financing techniques. Publ. Methodology for highway impact studies; Appraisal J, 1/68, Analysis of liquidity and profitability for income producing property, Nat. Inst. Real Estate Brokers, 12/68 & University and college consulting policies, Col. & Univ. Bus, 2/69. Address: Office of the Dean, College of Business, Arkansas State University, Box 970, State University, Ark. 72467.
- McGOULDRICK, DR. PAUL F, b. Augusta, Maine, Mar. 15, 26; m. 56; c. 3. ECONOMICS, ECONOMIC HISTORY. B. A. Maine, 47; M. A., Harvard, 52, Ph.D. Iccon), 66; Fulbright fel, Denmark, 52–53. Economist, U.S. Mil. Govt. Germany, 47–50; Fed. Reserve Bd, 59–68; ASSOC. PROF. ECON, McGILL, 68–U.S.A., 53–56, 5gt. Econ. Asst. Econ. Hist. San. Money supply in America; British bank rate policy; business investment determinates; sectoral value of money; state and local borrowing and capital outlays. Publ: New England textiles in nineteenth century, Harvard, 68; A sectoral analysis of velocity, 62 for the century of the control of
- McGOVERN, DR. JOHN F. Medieval & Early Modern Economic History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- McGOWAN, DR. BRENDA K, b. Winchester, Mass, May 23, 39; m. 69. PHYS-IOLOGICAL PSYCHOLOGY. B.A, Northeastern, 62; M.S, Massachusetts, 65, Ph.D. (psychol), 67. Nat. Insts. Ment. Health res. fel. NEUROPSYCHOL, Harvard, 68-68; RES. ASSOC, BARROW NEUROL. INST, ST. JOSEPH'S HOSP, 68- Psychol. Asn. Neural pathways involved in Gustatory-visceral conditioning; development of electrical rhythms of limbic system during approach conditioning in cats; habituation and restoration of tactile evoked potentials in cats. Publ: Co-auth, X-Rays as an olfactory stimulus, In: Taste and olfaction III, Pergamon, 68 & Sensory quality and integration: constraints on conditioning, In: Classical conditioning II, Appleton, 69; auth,

Effects of septal lesions on bait-shyness, Physiol. & Behav, 11/69. Address: Barrow Neurological Research Institute, St. Joseph's Hospital, Phoenix, Ariz. 85013.

- McGRADE, DR. BETTY JO, b. Washington, D.C, Oct. 23, 33; m. 54; c. 1. PSYCHOLOGY. B.A, Chicago, 52, M.A, 57; M.A, Texas, 56; Ph.D.(psychol), Yale, 65. Instr. psychol, Connecticut, 63-64, asst. prof, 66-67 & 69; IN. TERN CHILD CLIN. PSYCHOL, EMMA PENDLETON BRADLEY HOSP, PROVIDENCE, R.I, 69 Psychol. Asn; Soc. Res. Child Develop. Social reinforcement; infancy; clinical work with children. Publ; Co.-auth, Activity in the human newborn as related to delivery difficulty, 65 & auth, Newborn activity and emotional response at eight months, 68, Child Develop; Social class and reinforcer effects in discrimination learning, J. Personality & Soc. Psychol, 66. Address: 8 Lynwood Rd, Storrs, Conn. 06268.
- McGRADY, DR. HAROLD JAMES, JR. Speech & Language Pathology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir, 69-, Learning Disabilities Center, Northwestern University, Speech Annex Bldg, Evanston, III. 60201.
- McGRATH, DR. JAMES J(OSEPH). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prin. scientist, Anacapa Sci, Inc, 69-Address: 5348 Pasee Rio, Santa Barbara, Calli: 93105.
- McGRATH, THOMAS AUGUSTINE, S.J. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychol, 69-, Dept. of Psychology & Education, Fairfield University, Fairfield, Conn. 06430.
- McGRAW, DR. CHARLES PATRICK. Neurophysiology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- MACGREGOR, PROF. FRANCES COOKE. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Res. scientist, inst. reconstruct. plastic surg, med. center, N.Y. Univ, 68- Address: 120 E. 90th St, New York, N.Y. 10028.
- McGREGOR, DR. JOHN R(OBERT). Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 70-, Dept. of Geography & Geology, Indiana State University, Terre Haute, Ind. 47809.
- McGREGOR, DR. RUSSELL C(ARHART). Forest Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. to v.pres. agr. sci, California, Berkeley, 69- Address: 1920 Francisco St, Apt 402, Berkeley, Calif 9470,
- McGREW, PROF. JOHN GILBERT. Economics. See 11th ed, Soc. & Behav. Vols, deceased 68.
- McGUFF, PRES. HARRY ALBERT, b. Indianapolis, Ind, Jan. 19, 24; m. 46; c. 2. BUSINESS ADMINISTRATION. B.S. Ind. Cent. Col, 52; M.B.A., Indiana 54, M.S., 55, D.B.A., 66. Teacher, high sch, Ind, 52-53; chmn. dept. bus. admin, Ind. Cent. Col, 53-56, dir. evening div. & indust. rels. center, 58-67; chmn. dept. indust. tech. Purdue, 56-58; chmn. dept. bus. admin, Marshall, 67-68; PRES, IND. VOC. TECH. COL, 68- U.S.A, 43-46, 5gt. Maj. Management; accounting; economics. Address: Indiana Vocational Technical College, 333 N. Pennsylvania St, Indianapolis, Ind. 46204.
- McGUIGAN, PROF. DERRILL I. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Dept. of Psychology, Rider College, Box 298, Trenton, N.J. O8602.
- McGUIRE, PROF. DELBERT, b. Altus, Okla, Aug. 24, 17; m. 42; c. 1. JOURNALISM. B.J. & M.J. Texas, 47; Ph.D.(mass. commun), lowa, 66. Reporter & desk man, Austin Am. Statesman, 45-47; ed, South-Florist & Murseryman Mag, 47-50; asst. prof. journalism, N.Tex. State Col, 50-61; PROF. & HEAD DEPT, Texas & & M. 61-68; TECH. JOURNALISM, COLLORADO STATE, 68-Ed, Automatic World Mag, 47-50; field dir, Southwest. Elec. Mag, 52-; area correspondent, Billboard Mag, 54-Mem. accrediting cmt, Am. Coun. Ed. for Journalism & freedom of info. cmt, Assoc. Press Managing Editors Asn, 61-Asn. Ed. in Journalism. U.S.A.-A.F, 42-45. Free lance field of magazine writing. Publ: Technical and industrial journalism, Stackpole, 56; ed, Proceeding of the Institute in Technical and Industrial Communication, Colorado State Univ, 69; auth, Democracy's confrontation: the Presidential press conference I and II, Journalism Quart, winter 67 & spring 68. Address: Dept. of Technical Journalism, Colorado State University, Ft. Collins, Colo. 80521.
- McGUIRE, DR. FREDERICK L. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Correction: Ph.D, N.Y. Univ, 57. Address: College of Medicine, University of California, Irvine, Calif. 92664.
- McHOSE, DR. JAMES H(AYDEN), b. Fargo, N.Dak, Jan. 13, 37; m. 61; c. 2. PSYCHOLOGY. B.A, Carleton Col, 58; M.A, Iowa, 60, Nat. Sci. Found. fel, 60-61, Ph.D (exp. psychol), 61. Asst. prof. PSYCHOL, SOUTHERN ILLI-NOIS, 61-66, ASSOC. PROF, 66- Psychonomics Soc; Psychol. Asn. Animal learning and motivation; behavior theory. Publ. The effect of continued nonreinforcement on the frustration effect, 63 & The role of frustration in the development of relative and absolute S-contrast effects, 69, J. Exp. Psychol; Relative reinforcement effects: Si/Sı and Si/Sı paradigms in instrumental conditioning, Psychol. Review, 70. Address: Dept. of Psychology, Southern Illinois University, Carbondale, Ill. 62901.
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- McHUGH, DR. RAYMOND JOSEPH. American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
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 68-69. AAAS; Psychol. Asn. Visual perception. Publ: The role of movement in perceptual adaptation to a tilted retinal image, 67, co-auth, Perceived movement of the afterimage, 69 & auth, An investigation of the relationship between eye and retinal image movement in the perception of movement, (in press), Perception & Psychophys. Address: Dept. of Psychology,
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Appl. Anthrop. Factor analytic technique in developing measuring instruments; career development problems of professionals in large organizations;
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the development of efficient statistically significant measuring instruments
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- McNEILL, DR. HARRY V(INCENT). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Dir, 69-, Greater Bridgeport Community Mental Health Center, Bridgeport, Conn. 06604.
- MacNEILL, DR. IAN B. Mathematics, Statistics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- McNEMAR, DR. OLGA W(ILLIAMSON). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Terminated Texas, Austin, 70; on one year travel, 70-71. Address: c/o Psychology Dept, Stanford University, Stanford, Calif. 94305.
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- McNULTY, PROF. JOHN ARTHUR. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Dept. of Psychology, Dalhousie University, Halifax, N.S, Can.
- McNULTY, DR. MARIAN STEVER. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. prof. econ. & indust. rels, sch. bus. admin, Seton Hall, 70- Address: 272 N. Mountain Ave, Upper Montclair, N.J. 07043.
- McNULTY, PROF. MATTHEW FRANCIS, JR. Hospital Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Hon. D.Sc, Alabama, 69 · V, pres. med. center affairs, Georgetown, 69 Address: 10000 Carter Rd, Bethesda, Md. 20034.
- McNULTY, DR. MICHAEL LEIGH. Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 69-, Dept. of Geography, University of Iowa, Iowa City, Iowa 52240.
- McPHAIL, DR. (8) CLARK. Sociology, Social Psychology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 69-, Dept. of Sociology, University of Illinois, 1204 W. Oregon, Urbana, Ill. 61801.
- MacPHEE, DEAN DONALD ALBERT. American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MacPHERSON, PROF. ERIC, b. Hawkeye, Sask, Apr. 8, 31; m. 57; c. 3. MATH-EMATICS, EDUCATION. B.A, British Columbia, 52, M.A. 59; Ph.D. (ed). Washington State, 66. Lectr. MATH. ED, BRITISH COLUMBIA, 59-62, asst. prof., 62-66, assoc. prof., 66-70, PROF, 70-, HEAD DEPT, 65- Ed. Res. Asn. The nature of concept hierarchies in mathematics. Address: 4474 Portland, Burnaby 1, B.C, Can.
- McPHERSON, DR. WILLIAM R, b. Minot, N.Dak, Feb. 9, 39; m. 59; c. 1. SOCIOLOGY. B.A. Macalester Col, 61; M.A. Harvard, 63, Ph.D.(sociol), 67. Asst. prof. SOCIOL, American Univ, 64-66; lett, Northeastern, 66-67; Boston, 87; ASST. PROF. POMONA COL, 67- Pomona Col. faculty res. grant, 67-68. Sociol. Ass. Social movements, especially ideology and propaganda of American political and religious movements; political sociology, especially influence processes, such as lobbying and political campaigns. Address: Dept. of Sociology, Pomona College, Claremont, Calif. 91711.
- McQUADE, PROF. FRANCIS P(ATRICK). Law, Philosophy. See 5th ed, Dir Am. Scholars, Vol. IV, Philos, Relig. & Law.
- McQUAID, GERTRUDE A. Statistics, Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. economist, J. Carvel Lange, Inc, New York, 69- Address: 2960 Grand Concourse, Bronx, N.Y. 10458.
- McQUITTY, PROF. JOHN VREDENBURGH, b. Springfield, Ill. Jan. 27, 07; m. 90. PSYCHOLOGY. B.A. Florida, 29; M.A. Kentucky, 32, Ph.D.(psychol), 39. Asst. registr, Florida, 29-35, mlw. examiner, 35-42; avaiton psychologist, U.S. Army Air Force, 42-45; UNIV. EXAMINER, FLORIDA, 45-, prof. psychol, 57- Mem. Col. Bd. Coun. on Col. Level Exam. Prog. 65-58. U.S.A.A.F, 42-45, Lt. Col. Psychol. Asn. Construction, administration and validation of college level course examinations. Publ. Evaluation in general education at the University of Florida, In: Evaluation in general education, W.C. Brown, 54; co-auth, Use of tests in educational personnel programs, Rev. Ed. Res, 4/54; auth, The value of a testing program in college admissions, Proc. Annual Meeting Fla. Asn. Cols. & Univs, 3/63. Address: 408 Seagle Bldg, University of Florida, Galnesville, Fla. 32601.
- MacRAE, DR. C(ECIL) DUNCAN. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Res. staff, 69-, Urban Institute, 2100 M. St. N.W, Washington, DC. 20037.
- MacRAE, DR. ELIZABETH CHASE, b. Urbana, Ill, Dec. 11, 40; m. 69. ECCNOMICS. A.B, Radcliffe Col, 62; Bushnell fel, Yale, 62-63; Ph.D.(econ), Mass. Inst. Tech, 69. Instr. econ, math. & Eng, Bir-Zeit Col, Jordan, 63-65 ASST. PROF. ECON, MARYLAND, 69- Mathematical and econometric models of economic processes. Publ: Leisure and consumption, In: The theory of optimal economic growth, 67. Address: Dept. of Economics, University of Maryland, College Park, Md. 20742.
- McRAE, PROF. ROBERT JAMES. Physics, History of Science. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

- McREYNOLDS, DR. JANE. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Res. psychologist, Hq. U.S. Air Force (AFRDDG), 68-Address: 1200 N. Nash St, Apt. 224, Arlington, Va. 22209.
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- MacSPEIDEN, DR. THOMAS R, b. San Francisco, Calif, Aug. 23, 35; m. 65; c. 1. CLINICAL PSYCHOLOGY. B.S, San Francisco, 59; M.A, Pepperdine Col, 62; Ph.D.(psychol), Purdue, 66. Asst. psychol, Pepperdine Col, 61-62; intern, Logansport State Hosp, Ind, 62-65; student health center, Purdue, 64-65; instin. psychologist, Ind. Reformatory, Pendleton, 65-66; dir. psychol, YMCA Counseling Serv, Ont, 66-69; CLIN. PSYCHOLOGIST, SAN DIEGO COMMUNITY MEXT. HEALTH, 69-US.A, 39-61. Psychol. Asn, Group Psychother. Asn. Group psychotherapy with the use of videotaping. Address: 3446 Park West Lane, San Diego, Calif. 9217.
- McVEY, DR. RUTH T. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Lectr. 69-, Dept. of Economics & Politics, School of Oriental & African Studies, University of London, W.C. 1, Eng.
- McWILLIAMS, PROF. MARGARET ANN. Food, Nutrition. See Suppl. VI to 11 11th ed, Phys. & Biol. Vols.
- MACY, BRUCE W(ENDELL). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also mgr. regional econ. studies, 69-, Midwest Research Institute, 425 Volker Blvd, Kansas City, Mo. 64110.
- MADDEN, DR. J. PATRICK. Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Pennsylvania State University, 103 Weaver Bldg, University Park, Pa. 18602.
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- MADDI, PROF. SALVATORE R(ICHARD). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 68-, Dept. of Psychology, University of Chicago, Chicago, Ill. 60637.
- MADDOCKS, DR. ROBERT F, b. New York, N.Y, May 9, 30; m. 51; c. 3. EDUCATIONAL PSYCHOLOGY. B.S.B.A, Ohio State, 52; Ed.M. Temple, 62, Ed.D. (ed. psychol), 68. Mgr. training, Radio Corp. Am, 52-57, mgr. training & prinl. prog. develop, 57-70; DIR. MGT. DEVELOP, INT. TEL. & TEL. CO, 70-Mem. inst. appl. behav sci, Nat. Training Labs, 69- Assoc. Psychol. Asn. Group dynamics; training; organization development; management systems. Address: 52 Coopers Run Dr., Cherry Hill, N.J. 08034.
- MADDOX, DR. ROBERT CASEY, b. Birmingham, Ala, Aug. 20, 36; m. 69. MANAGEMENT. B. B. A. Texas, Austin, 61, Nat. Defense Ed. Act fel, 63-67, Ph.D. (bus. admin), 68. ASST. PROF. mgt, Missouri-Columbia, 67-69; NT. MGT, FLORIDA, 69- Res. grant, Missouri, summer 68; participant, Invitational Workshop Int. Bus, N.Y. Univ, Sept, 68; res. grant, Florida, summer, 70. U.S.A.R., 58-63. Soc. Int. Develop. International management; comparative wage studies in Guatemala; deficiencies of managerial personnel in Latin America; private developmental efforts. Publ: Co-auth, The group executive position: a growing trend, Bus. Topics, autumn 64; auth, The cost of increased behavior reliability, Adv. Mgt. J., 4765; Management in Latin America: a critical resource for economic development, Univ. Houston Bus. Rev, summer 65. Address: Dept. of Management & Business Law, University of Florida, Gainesville, Fla. 32601.
- MAEHR, PROF. MARTIN J, b. Fairmont, Okla, Oct. 13, 02; m. 31; c. 1. PSYCHOLOGY. B.S.Ed, Okla. State, 38, M.S.Ed, 41; Ph.D. (psychol), Nebraska, Lincoln, 55. Prin, parochial sch, Okla, 30. 44; Nebr, 44. F2; asst. prof. ed. & psychol, CONCORDIA TEACHERS COL, 52, assoc. prof, 53. 55, Prof. ED. & PSYCHOL. & DIR. PLACEMENT & TEST-ING, 55. Consult, Bd. Higher Ed, Lutheran Church, 62. 63; Cmn. Ministerial Health, 67. Psychol. Asn; Ed. Res. Asn. Relationship between biblical knowledge, specific belief and certain specific practices. Publ: Bible information secondary level, Bd. Higher Ed, St. Louis, 58; Practice, belief and practice inventory, Concordia, 65; Wer weiss es?, Christian Publ, Stutgart, 67. Address: Dept. of Education & Psychology, Concordia Teachers College, 800 N. Columbia, Seward, Nebr. 68434.
- MAERTIN, PROF. HARVEY. Business Management. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. mfg. admin, College of Business Administration, University of Toledo, Toledo, Ohio 43806.
- MAES, DR. WAYNE R, b. Port Huron, Mich, May 6, 32. COUNSELING PSY-CHOLOGY. Th.B. Owosso Col., 53; A.B. Central Michigan, 54; M.A, Mich. State, 55, Ph.D.(counseling psychol), 64. Dir. psychol. serv, Lansing Pub. Schs, Mich, 56-61, asst. dir. pupil personnel, 61-62; gud. coordinator, San Diego County Dept. Ed., 62-64; dir. counseling, California Western, 64-65; ASSOC. PROF. COUNSELING PSYCHOL, ARIZONA STATE, 65- Vis. lectr, Mich. State, 59-62; San Diego State Col., 63-64; vis. prof. & tech. adv, Valle, Colombia, 69-; U.S. Off. Ed. grant. Consult, Pima-Maricopa Indian Tribe, 67-69; East. Wash. State Col., 68. Chm, Mich. Curriculum Planning Cmt. Except. Children, 61-62. Psychol. Asn. Personnel & Guid. Asn. Early identification of emotionally disturbed elementary school children; characteristics of the Indian students in public Schools; therapeutic reduction of test anxiety in high school students. Publ. Co-auth, Elementary school counseling: a venture in humanness, Bur. Res. Serv, Arizona State Univ, 66; Early identification of emotionally disturbed elementary school children, Except. Children, 68 & The counselor and human freedom, Am. Personnel & Guid. J, 68. Address: 2014 E. Balboa, Tempe, Ariz. 85281.
- MAFFEI, DR. RICHARD BLAISE, b. New York, N.Y., June 12, 23; m. 51.
 ECONOMICS, MANAGEMENT SCIENCES. S.B., Mass. Inst. Tech, 45; M.B.A,
 Pennsylvania, 48, Ph.D. (econ, statist), 58. Vis. asst. prof. econ. geog. &

- statist, Washington (Seattle), 54-55; asst. prof. opers. res. & mkt, Mass. Inst. Tech, 55-61, res. assoc. res. & develop. mgt, 61-64; vis. prof. mgt. & comput. sci. & bus. polley, BOS-TON COL, 67-69, ASSOC. DEAN GRAD. SCH. MGT, 69- V.pres, H.N. Shycon Co, 56-62; mgr. Auerbach Assocs, 65-66; consult, Dept. Ed, Gov. Reorgn. Study Group; Dept. Ment. Health & Dept. Commerce & Develop, Commonwealth of Mass, 66- U.S.N.R., 44-46, 48-50; Lt.(g). Design of top management information systems; innovation and new business formation and financing; economic growth. Publ. Simulation, sensitivity and management decision rules, J. Bus, 58 & Brand preferences and Markov process, J. Opers. Res. Soc. 60; co-auth, Simulation: tool for better distribution, Harvard Bus. Rev, 60. Address: Graduate School of Management, Boston College, Chestunt HII, Mass. 02167.
- MAGARO, DR. PETER ANTHONY. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. psychol, Maine, 68- Address: 23 Ohio St, Bangor, Maine 04401.
- MAGDA, PROF. LOUIS S, b. Besenyotelek, Hungary, Aug. 18, 19; U.S. citizen; m. 52; c. 1. ECONOMICS. Dr. (econ). Jozsef Nador Univ, Budapest, 4-9. Teacher econ. & bus, Budapest, 4-4-6; asst. prof. econ, Jozsef Nador Univ, 46-54; head dept. finance, Buffe Vallalat, 54-56; laborer, Grabler Mfg. Co. Cleveland, Ohio, 57-59; painter, Huron Road Hosp, 59-64; teacher, high schis, Ohio, 64-66, assoc. prof. ECON, MOREHEAD STATE, 66-69, PROF, 69- ECON. Asn. History of economic theories; comparative economic systems. Address: Dept. of Economics, P.O. Box 517, Morehead State University, Morehead, Ky. 40351.
- MAGDEN, DR. RONALD EARNEST. Modern History. See 5th ed, Dir. Am. Scholars, Vol. I. Hist.
- MAGEE, PROF. RICHARD D(AVID), b. Bucks Co, Pa, July 12, 33; m. 56; c. 2. FSYCHOLOGY. A.B., Temple, 55, A.M., 57, Ph.D. (psychol), 64. From asstprof. to assoc. prof. PSYCHOL, Lebanon Valley Col., 61-66; PROF. & CHMN. DEPT, INDIANA UNIV. PA, 68. Med. res. scientist, Harrisburg State Hosp, 68. Psychol. Asn. Correlates of delinquent behavior; mental health programs; behavior modification. Address: Dept. of Psychology, Indiana University of Pennsylvania, Indiana, Pa. 13701.
- MAGGS, PROF. PETER BLOUNT. Soviet & East Central European Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- MAGNUSSEN, DR. MAX GENE. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chief psychologist, 68-, Pittsburgh Child Guidance Center, 201 De Soto St, Pittsburgh, Pa. 15213.
- MAGRATH, DEAN C(LAUDE) PETER. Political Science, History. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dean faculties, 69-, University of Nebraska, 106 Love Library, Lincoln, Nebr. 6850.
- MAGUIRE, DR. DANIEL C. Christian Ethics. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- MAHAJANI, PROF. USHA GANESH. International Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Dept. of Political Science, Central Washington State College, Ellensburg, Wash. 98926.
- MAHAL, DR. BARBARA K, b. Bloomfield, N.J, Jan. 19, 36; m. 61; c. 1. PSY-CHOLOGY. B.A, Montclair State Col, 57; M.Ed, Rutgers, 61, Ed.D. (sch. psychol), 66. Sch. psychologist, North Brunswick Bd. Ed, N.J. 63-65; Hills-borough Bd. Ed, 66-69, dir, summer inst, 69; SCH. PSYCHOLOGIST, CHESTER BD. ED, 69- Consult, summer insts, Sayreville Bd. Ed, N.J. 66. Psychol. Asn. Rigidity and flexibility as related to underactivement. Address: 707D Donaldson St, Highland Park, N.J. 08904.
- MAHAN, SISTER M. BRIAN (JO ANN). Sociology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New information: On leave from Mt. Marty Col. as behav. res. analyst, Calif. Youth Authority, 70-71. Address: 1350 Pacific, Cayucos, Calif. 93403.
- MAHER, DEAN BRENDAN A(RNOLD). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Salvage prof. psychol. & dean, 69-, Graduate School of Arts & Sciences, Brandeis University, Waltham, Mass. 02154.
- MAHER, DR. FREDERICK J(OSEPH), JR, b. New Haven, Conn, May 21, 30; m. 56; c. 5. SOCIOLOGY. B.A, Yale, 52; Ph.D. (sociol), Columbia, 68. Instr. SOCIOL, New Hampshire, 57-58; from instr. to asst. prof. Vermont, 58-66; ASSOC. PROF, ST. MICHAEL'S COL (VT), 66- U.S.A, 52-54. Sociol. Asn; Pop. San. Am. Vermont elections and population. Address: Dept. of Sociology, St. Michael's College, Winooski, Vt. 05404.
- MAHER, DR. JOHN E(DWARD). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Managing ed, J. Econ. Ed. Address: Joint Council on Economic Education, 1212 Avenue of the Americas, New York, N.Y. 10034.
- MAHLER, DR. WALTER R. JR., b. Butte, Mont, Feb. 3, 42. ECONOMICS. B.A, Oberlin Col, 64; Ph.D.(econ), Syracuse, 69. ASST. PROF. ECON, GRINNELL COL, 69. Econ. Asn. Public finance; money and banking; economic development. Publ: Sales and excise taxation in India, Orient Longmans, 70. Address: Dept. of Economics, Grinnell College, Grinnell, Iowa 50112.
- MAHMOUDI, DR. JALIL. Sociology, Persian Language. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.
- MAIER, DR. FRANK H(ERMAN). Economics. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New information: Ph.D, Chicago, 89. Address: 1724 Kathryn Dr, Tallahassee, Fla. 32303.

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MAKI, DR. DENNIS RUDOLF, b. Cloquet, Minn, May 9, 38; m. 56; c. 3. ECCNOMICS. B.A, Minnesota, Duluth, 64; Nat. Defense Ed. Act fel, lows State,
64-67, Ph.D. (econ), 67. ASST. PROF. ECON, SIMON FRASER INIV, 67.
Res. economist, Econ. Coun. Can, 70. Nat. Guard, 56-64, 8/Sgt. Econ.
Asn; Indust. Rels. Res. Asn; Can. Oper. Res. Soc. Manpower planning;
human resources development; economics of bealth. Publ.: A forecasting
model of manpower requirements in the health occupations, Iows State Univ,
67; A programming approach to manpower planning, Indust. & Labor Rels.
Rev. 4/70. Address: Dept. of Economics, Simon Fraser University, Burnaby 2, B.C, Can.

MALCOLM, PROF. NORMAN. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

MALEC, DR. MICHAEL ANTHONY, b. Chicago, Ill, Nov. 8, 40; m. 65; c. 1. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.S, Loyola (Ill), 62; M.S, Purdue, 65, Ph.D. (sociol), 68. Instr. SOCIOL, Bowdoin Col, 66-68; ASST. PROF, BOSTON COL, 68- Nat. Sci. Found, grant, 69-70. Sociol. Asn. Reference group influences on high school completion. Publ: Some observations on the content of Crisis: 1932-62, Phylon, 67; co-auth, Family integration, achievement values, academic self-concept and dropping out of high school, Sociol. Focus, 69. Address: Dept. of Sociology, Boston College, Chestnut Hill, Mass. 02167.

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MALENBAUM, DR. HELEN (RAFFEL), b. New York, N.Y, Sept. 26, 28; m. 67; c. 5° ECONOMICS. B.S., Brooklyn Col. 48; Ph.D. (chem), Polytech. Inst. Brooklyn, 53; Ph.D. (econ), Columbia, 63. Asst. prof. ECON, Pennsylvania, 63.69; ASSOC. PROF, DREXEL, 69- Econ. Asn. Statistical mechanical theory of transport processes in liquids; linear programming study of industrial capacity balance; solid waste disposal; economy of China. Publ; Co-auth, Statistical mechanical theory of transport processes in liquids, J. Chem. Physics, 54, 55, 59; auth, Capacity balance in the chemical industry, Essays Indust. Economet, 70. Address: Dept. of Economics, Drexel University, Philadelphia, Pa. 19104.

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MALIK, DR. YOGENDRA KUMAR, b. Lyallpur, India, May 24, 27; m; c. 2. POLITICAL SCIENCE. B.A. Punjab, India, 49, M.A. 52; M.A. Florida, 63, summers, univ. fels, 63–65, Caribbean fel, 65, Asia Soc. N.Y. fel, 65, Ph.D. (polit. sci), 66. Instr. soc. sci, Florida, 64-66; asst. prof. POLIT. SCI, Southwest Fexas State, 66-69; ASSOC. PROF. AKRON, 69. Lectr, Punjab, India, 52-62. Polit. Sci. Asn. Political parties and eitte recruitment in multi-ethnic societies; community power structure and caste organization in India. Publ: Introduction to political science, Atma Ram, Delhi, 58; Agencies of political socialization and ethnic identification in Trinidad, Sociol. Bull, 9/69; Socio-political perceptions and attitudes of East Indian elites in Trinidad, West. Polit. Quart, 9/70. Address: Dept. of Political Science, University of Akron, Akron, Ohio 44304.

MALIKIN, PROF. DAVID. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, N.Y. Univ, 69. New publ: Vocational rehabilitation of the disabled: an overview, N.Y. Univ, 69. Address: 40 Walker Ave, Rve, N.Y. 10580.

MALIN, DR. MORTON VICTOR, b. New York, N.Y. Jan. 21, 22; m. 47; c. 3. INTERNATIONAL RELATIONS, HISTORY. A. B. Chattanoga, 43; M.A. Vanderbit, 47; fel, Maryland, 49-51, Ph. D hist), 54. Res. assoc, Aberdeen Res. Staff, Pittsburgh, 54-56; field correspondent, opers. eval. group, Mass. Inst. Tech, 56-59; sr. res. assoc, Edgewood Res. Proj. Pittsburgh, 55-61; spec. asst, off. sci. info. serv, Nat. Sci. Found, 61-62, staff assoc, off. econ. & manpower studies, 82-65; dir. CORP, PLANNING & BYN. RELS, INST. SCI. NIFO, 66-68, V.P.RES, 68- Lectr, Chattanoga, 48-49; Maryland, 55-57; Montgomery Jr. Col, 96-82, 64-55. Inel. C., U.S.A, 42-45, Res., 45-5, Lt. Col. AAAS; Soc. Info. Sci; Int. Studies; Asn. Development of new systems for information processing and retrieval; the use of citation data in studying the history and the growth of science. Publ: The science citation index: a new concept in indexing, Libr. Trends, 1/68; co-auth, Diagonal display—a new 'technique for graphic presentation of network diagrams, Trans. Am. Asn. Cost Engr., 69. Address: Institute for Scientific Information, 325 Chestnut St, Philadelphia, Pa. 19106.

MALLET, DR. JOHN J(ACQUES). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Practicing clin. psychologist, 69-Address: 3312 Piedmont Rd. N.E, Atlanta, Ga. 30305.

MALLICK, DR. SHAHBAZ KHAN. Psychology, Education. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir. child develop. & Montessori ed, 59-, Xavier University, Cincinnati, Ohio 4820.

MALLINSON, PROF. THOMAS J(OHN), b. Calgary, Alta, May 27, 19; m. 48; c. 4. COMMUNICATIONS. B.A, British Columbia, 46; M.A, Columbia, 48; Ph.D. (bsychol), Toronto, 54. Res. assoc. psychol, Toronto, 54. Res. assoc. psychol, Toronto, 48-54; clin. teacher psychiat, 54-55; assoc. prof. COMMUN, SIMON FRASER UNIV. 65-67, PROF, 67- Chmn, Can. Asn. Human Rels. Trainers, 63-66; mem. Inst. Appl. Behav. Sci. Psychol. Asn. Interpersonal dynamics. Address: Centre for Communications and the Arts, Simon Fraser University, Burnaby 2, B.C, Can.

MALLORY, DR. FREDERICK CRENSHAW. Philosophy, Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

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 cmt. Supreme Court decisions, Asn. Am. Law Schs, 64-65, bus. asn. round
 table & joint cmt. Asn. Am. Law Schs. & Am. Econ. Asn, 66-68. U.S.A.F,
 54-56, Capt. Bar Asn; Econ. Asn; Law & Soc. Asn. Integration of law and
 economics in the fields of corporation law and government regulation of
 business. Publ: Insider trading and the stock market, Free Press, 66;
 Supplementary cases and material for business association II, Lerner Law,
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69- Econ. Asn, Finance Asn; African Studies Asn, Economet. Soc. Financial institutions in Africa; deposit insurance in United States and abroad;
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transportation industry; housing problems. Publ: Deposit insurance,
Bankers Mag, London, 10/69 & 11/63; Ideas on bank regulatory reform,
Bankers Mag, Boston, winter 70. Address: Box 174, Bernard M. Baruch
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- MARTY, DR. WILLIAM RAY, b. Ada, Okla, May 18, 38; m. 62; c. 2. POLITI-CAL SCIENCE. B.A, Oklahoma, 60; South. Fel. Fund fel, Duke, 60-63, M.A, 63, Ph.D. (polit. sci), 68. Asst. prof. POLIT. Sci, MEMPHIS STATE, 65-68, ASSOC. PROF, 68- Consult, Law Enforcement Inst, Memphis, Tenn, 68. Polit. Sci. Asn. Political theory; theories of violence and alternatives; Negro protest thought. Publ: The policeman's image, In: Mutual responsibility in community relations, Memphis State Univ. 66. Address: Dept. of Political Science, Memphis State University, Memphis, Tenn. 38111.
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- MARUYAMA, DR. MAGOROH, b. Tokyo, Japan, Apr. 2, 29; U.S. citizen; m. 66; c. 1. SOCIOLOGY, ANTHROPOLOGY. Dipl, French Center Higher Studies in Tokyo, 50; B.A, California, Berkeley, 51; Munich, 54-55; Heidelberg, 55; Am-Scandinavian Found, fel, Copenhagen, 55-57; Swedish State fel. & Ph.D. (philos), Lund, 59. Res. analyst, inst. human develop, California, Berkeley, 60-62; res. assoc. alcoholism, inst. study human probs, Stanford, 62-64; sr. counsr, Parks Job Corps Center, Pleasanton, Calif, 65; res. assoc. interpersonal violence, Inst. for Study Crime & Delinquency, Sacramento, 65-66; assoc. prof. psychol, San Francisco State Col, 66-67; res. assoc. community tension, center for study violence, Brandels, 67-68; ASSOC. PROF. SOCIOL, CALIF. STATE COL. HATWARD, 68- Lectr, California, Berkeley, 60-62; res. soc. scientist, Calif. State Dept. Ment. Hyg, 63-64; lectr, dept. speech, San Francisco State Col, 66-67; community develop, specialist, Bur. Indian Affairs, Alaska, summer 64. Consult, Calif. State Dept. Health, 60-61; Off. Econ. Opportunity, 66-67; Navajo Community Col, 69; dept. appl. behav. sci, California, Davis, 69-70. Men. Nat. Invest. Cmt. Aerial Phenomena, 64- U.S.M.C, 52-64, Sgt. Anthrop. Asn. Cultural epistemology; developing non-middle class inculture researchers; communication Levisened (19) the nomena excluded by present science. Publ. Communicational epistemology. Brit. J. Philos. Sci., winter, spring & summer 61; The second cybernetics; deviation-amplifying mutual causal processes, Am. Scientist, 6/63; Monopolarization, family and individuality, Psychiat. Quart, winter 66. Address: Dept. of Sociology, California State College at Hayward, 25800 Hillary St, Hayward, Calif. 94542.

MARX. DR. GEORGE LEO, b. Sioux City, Iowa, Jan. 5, 32; m. 58; c. 4. COUN-SELING & GUIDANCE. B.A, Yankton Col., 53; M.A. Iowa, 57, Ph.D. (guid. & counse-ling), 59. Asst. counsr. to men, Iowa, 56-59; asst. prof. ed. MARY-LAND, 59-61, assoc. prof., 62-63, ASSOC. PROF. PSYCHOL. & AREA ED. CHMN, 65-, dir. off. intermediate registrin, 63-65. Assoc. dean student life, Maryland, 60-65, dir. pre-col. summer session, 61-65; vis. prof, Puerbi Rico, 66-67, summer sch. teacher, Colorado, 65. U.S.A, 53-55. Personnel & Guid. Asn; Psychol. Asn; Asn. Counsr. Ed. & Supy; Nat. Coun. Measurement in Ed. Publ: Administrative contribution to the college drop out, Univ. Tennessee, 67; Counseling in probation and parole—a research report, Univ. Maryland, 69. Address: Counseling & Personnel Services Dept, University of Maryland College of Education, College Park, Md. 20742.

MARZOUK, DR. MAHMOUD SHUKRY, b. Sept. 21, 41; citizen of U.A.R; m. 70, ECONOMICS. B.A, Cairo, U.A.R, 61; summer, Colorado, 63; U.A.R. Govt. grant, Stanford & Pennsylvania, 63-69; M.A, Stanford, 64; Ph.D.(econ), Pennsylvania, 69. Instr. ECON, Cairo, U.A.R, 61-63; lectr, evening div, PMC Cols, 65-69, ASST. PROF, 68-69; ACADIA, 69- Res. asst, Inst. Nat. Planning, U.A.R, 61-63. Consult, DuPont Corp, 68-69. Am. Econ. Asn. Can. Econ. Asn. Macroeconometric models for developing economies with specia emphasis on institutional and political variables. Address: Dept. of Economics, Acadia University, Wolfville, N.S, Can.

MASCARO, DR. GUILLERMO FERNANDE Z, b. Cardenas, Cuba, Nov. 4, 40; m. 66; c. 1. PSYCHOLOGY. B.A, Manni [Fila], 64; M.A, Princeton, 67, Pl.D. [59ychol), 68. Asst. instr., psychol, Pinceton, 64-65, asst. res. psychol, 65-67; res. collab., 65-67; res. oclab., 65-68; hastington, HumRRO, Pt. Benning, 67-68; ASST. PROP. PSYCHOL, FLOR-IDA, 68-, 80c. Sci. Inst. res. grant, summer 69. Structure of social attitudes formation. Publ. Some methodological aspects of systematic categorization of behavior, 28: 778-784 & Interpersonal attraction and uncertainty reduction as functions of judgmental similarity, 30: 71-75, Perceptual & Motor Skills; Correspondence between internalized evaluative expectations and attitudes, Australian J. Psychol), 70. Address: Dept. of Psychology, University of Florida, Gainesville, Fla. 32601.

MASLAND, PROF. JOHN W(ESLEY, JR). Political Science. See 11th ed, Soc. & Behav. Vols, deceased 68.

MASLOW, PROF. A(BRAHAM) H(AROLD). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: On leave from Brandeis Univ. as res. fel, 69-, W.P. Laughlin Charitable Foundation, 1 Saga Lane, Menlo Park, Calif. 94025.

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MASON. DR. J(OSEPH) BARRY, b. Memphis, Tenn, Mar. 24, 41; m. 60; c. 2. MARKETING, ECONOMICS. B. S. La. Polytech, 63; M.A. Alabama, 64, Ph.D. (bus, admin), 67. RESEARCHER MKT, ALABAMA, 64-, ASOC. PROF. MKT. & CO-PRIN, 67- Contract researcher, U.S. Bur. Pub. Rds. & Ala. Hwy. Dept, 64- Mkt. Asn; Regional Sci. Asn. Consumer shopping-travel behavior; urban and regional planning; benefit-cost analysis; trading area and economic potential models; spatial aspects of marketing geography. Publ: Co-auth, Psychometric measures of the effects of inter-media advertising cues on choice, South. J. Bus, 4/69, Shift and share analysis; an approach to measuring growth patterns in retailing, J. Bus. Admin, summer 69 & A research note on major retail center patronage decisions, J. Mkt, 7/69; plus others. Address: Dept. of Marketing, Graduate School of Business, University of Alabama, University, Ala. 35486.

MASON, PROF. LEONARD E(DWARD). Anthropology, See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof. anthrop, Hawaii, 69-; field trips coordinator, Verde Valley Sch. Sedona, Ariz, 69-70. Address: 5234 Keakealani St. Honolulu, Hawaii 96821.

MASON, DR. PETER F, b. Modesto, Calif, June 26, 41; m. 64; c. 3. GEOG-RAPHY. B. A, Fresno State Col, 63; M.A, Colorado, 65; Ph.D. (geog), California, Los Angeles, 68. Asst. geog, Colorado, 63-65; Nat. Defense Ed Act. Inst. Calif. State Col, Fullerton, summer 68; California, Los Ageles, 68-67; Asst. Defense Ed Act. Colorado, California, Los Ageles, 68-67; Asst. Colorado, California, Colorado, California, Colorado, California, Colorado, California, California, California, California, California, California, Asn. Asn. Asn. Asn. Asn. Colorado, California, Asn. Asn. Asn. Barba, 69- AAAS; Asn. Am. Geog; Asn. Pac. Coast Geog; Am. Geog. Soc; Nat. Coun. Geog. Ed. Glacial geomorphology and quaternary studies; mineral resources; atmospheric pollution; urban environmental problems; general environmental studies. Publ. Some changes in domestic irom mining as a result of pelletization, Ann. Asn. Am. Geog, 9/69; Spatial variance of atmospheric pollution in the United States, J. Ariz. Acad. Sci. 4/70; Spatial variability of atmospheric radioactivity in the United States, Proc. Asn. Am. Geogr. 8/70. Address: Dept. of Geography, University of California, Santa Barbara, Calif. 93106.

MASON, DR. ROBERT MORGAN, b. Cleveland, Ohio, July 26, 37. SPEECH. B.A. Denison, 59; M.S. Illinois, 61, Ph.D. (speech path), 65. Res. assoc. speech sel., Univ. Illinois Med. Center, 64-65, asst, prof., 65-66; assoc. prof. speech, Miami (Ohio), 68-69; ASSOC. PROF. AUDIOI. & SPEECH PATH, TENNESSEE, 69. Consult, Cleft Palate Center, Univ. Illinois Med. Center, 66-67, Center for Craniofacial Anomalies, 67-68; dept. orthod, Univ. Kentucky, 70. Am. Speech & Hearing Ass; int. Soc. Cranio-Facial Biol. Publ: Co-auth, The phenomenon of vocal vibrato, Bull. Nat. Asn. Teachers Singing, Vol. 22, No. 3; auth, Studies of oral perception involving subjects with alternations in anatomy and physiology, In: Symposium on oral sensation and perception, Thomas, 67. Address: Dept. of Audiology & Speech Pathology, University of Tennessee, Knoxville, Tenn. 37916.

MASON, DR. THOMAS R. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir, 69-, Office of Institutional Research, University of Colorado, Regent 3A, Boulder, Colo. 80302.

MASOTTI, DR. LOUIS HENRY. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. polit. sci. & urban studies, 70-, Northwestern University, 2040 Sheridan Rd, Evanston, Ill. 80201.

MASSEL, DR. MARK S. Economics, Law. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Independent int. consult, 68- Address: 3306 Fessenden St. N.W, Washington, D.C. 20008.

MASSMANN, DR. SYLVESTER H. Political Science, Philosophy. See L-Z Vols, 11th ed, Soc. & Behav. Vols. Change of address: 201 W. Sliver Spruce, Flagstaff, Ariz. 86001.

MASSON, DR. FRANCIS GEORGE. Economics, Public Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. dir, sector & mkt. anal. div, U.S. Agency Int. Develop. Address: 2400 Virginia Ave, N.W, Washington, D.C. 20037.

MASTERS, DR. HENRY G(EORGE), b. Rochester, N.Y., June 22, 36; m. 59; c. 2. PHYSIOLOCICAL PSYCHOLOGY, PRIMATE BEHAVIOR. A.B. Rochester, 58; M.A., Emory, 61; Oregon, 62-63; Ph.D. (hybsiol. psychol), Kansas State, 68- Instr. PSYCHOL, Washburn, 65-68; ASST. PROF, JUNIATA COL, 68- Psychol. Asn. Brain function, particularly as it relates to perception; physiological regulation of body temperature, particularly its effect on human and subhuman performance. Publ: Co-auth, Perception by monkeys: 1. Psychophysical judgments of brightness by human and subhuman subjects, 20: 637-645 & A quantitative study of relevance in the formation of adaptation levels, 22: 743-749, Perceptual & Motor Skills; auth, The effect of high thermal stress exposure rate on human performance, Dissertation Abstracts, 68. Address: Dept. of Psychology, Juniata College, Huntingdon, Pa. 16653.

MASTERS, DR. KENNETH W(HALEY), b. Jamaica Plain, Mass, Sept. 5, 24; m. 51; c. 2. ECONOMICS. Ph.D.(econ), Pennsylvania, 55. Instr. soc. statist, Bryn Mawr Col, 53-55; dir. bur. statist, P.D. Dept. Internal Affairs, 55-61; UN adv. nat. income & indust. statist, Philippines, 61, econ. statist. adv, UN Develop. Prog. Nigeria, 61-67; ASSOC. PROF. SOC. SCI, PA. STATE, CAPITOL CAMPUS, 67-S tatist. Asn; Pop. Asn. Am. Economic and social statistics, including population analysis. Address: Dept. of Social Science, Pennsylvania State University Capitol Campus, Middletown, Pa. 17037.

MASTERS, DR. ROGER D(AVIS). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: On leave from Dartmouth Col. as cult. attaché, Am. Embassy, Paris, 69-71. Address: American Embassy, U.S. Information Service, APO New York 09777.

MATARAZZO, PROF. RUTH G(ADBOIS). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. med. psychol, med. sch, Oregon, 68- Address: 1934 S.W. Vista Ave, Portland, Ore. 97201.

MATHENY, DR. BEATRICE JOHNSON, b. Peoria, Ill, Dec. 11, 25; m. 52; c. 3. PSYCIOLOGY. B.S. Purdue 47; M.A., Illinois, 50, Ph.D. (exp. psychol), 53. RES. ASSOC. PSYCHOL, LIFE SCI, INC, 53- Instr., Univ. Illinois, 53-54; Univ. Texas, Arlington, 61-62; adi, asst. prof., Texas Christian Univ, 67-Psychol. Asn. Research and application in fields of testing, child development and education and engineering psychology. Publ: Co-auth, Obedience to rotation-indicating visual displays as a function of confidence in the display, Tech. Report, Spec. Devices Center, U.S. Navy, Pt. Washington, N.Y., 49, Comparative evaluation of pictorial and symbolic VOR navigation displays in the 1-CA-1 Link trainer, Report 91, Div. Res, Civil Aeronaut. Admin, 7/30 & A simulator for studying human factors in air traffic control systems, Report 11, Cmt. Aviation Psychol, Nat. Res. Coun, D.C, 51. Address: 7109 Richland Rd, Ft. Worth, Tex. 76118.

MATHENY, DR. RAY T, b. Los Angeles, Calif, Feb. 15, 25; m. 47; c. 5. AN-THROPOLOGY, ARCHAEOLOGY, B.A, Brigham Young, 60, M.A, 62; fel, Oregon, 63-64, Ph.D. (anthrop), 68. Asst. archaeol, BRIGHAM YOUNG, 59-62, ASST. PROF. ARCHAEOL. & ANTHROP, 64. Brigham Young-New World Archaeol, Found res. grant, Mex. & Nat. Sci. Found. res. grant archaeol, 68. U.S.A.F., 42-45, 51-57, M/Sgt. Soc. Am. Archaeol; Anthrop. Asn. Middle American and Southwestern archaeology; peoples of the Middle East and Latin America. Publ: Co-auth, Early oceanic migrations, Sci. Man, 61; auth, Value of aerial photography in surveying archaeological sites in coastal jungle regions, Am. Antiquity, 62; The ceramics of Aguacatal, Papers New World Archaeol, Found, 68. Address; Dept. of Anthropology, Brigham Young University, Provo, Utah 84601.

MATHER, DR. JEAN PAUL. Economics, Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Head, 69-, Dept. of Mineral Economics, Colorado School of Mines, Metallurgy Bldg. 335, Golden, Colo. 80401.

MATHER, PROF. WILLIAM G(REEN). Sociology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. res. prof. 69-, Pennsylvania State University, 120 Temporary Office Bldg, University Park, Pa. 16802.

MATHESON, DR. DOUGLAS W, b. Sunnyside, Wash, May 10, 39. PSYCHOLOGY. B.A, Whitman Col, 61; M.A, Claremont Grad. Sch, 66, Ph.D. (psychol), 67. Asst. prof. psychol, Chaffey Col, 65-67; vis. asst. prof. Southern California, 67-68; CHMN. DEPT. PSYCHOL, UNIV. OF THE PACIFIC, 68-Psychol. Asn. Perception; behavior modification. Publ: Co-auth, Introduction to general experimental psychology, 68 & Contemporary topics in general experimental psychology, 70, Holt. Address: Dept. of Psychology, University of the Pacific, Stockton, Calif. 95204.

MATHEWS, DR. CHESTER O(RA). Educational Psychology. See L-Z. Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 68. Address: 5950 Encina Rd, Apt. 2, Goleta, Calif. 93017.

MATHEWS, DR. H. LEE, b. Cincinnati, Ohio, June 17, 39; m. 64; c. 1.
MARKETING, CONSUMER BEHAVIOR. B.S, Illinois, 61; M.B.A, Ohio State,

- 64, Hill Found. fel, 64-65, Ph.D.(mkt), 66. ASST. PROF. MKT, PA. STATE, 65- Personal bankruptcy; consumer credit. Publ: Co-auth, Marketing strategies in the commercial bank credit card field, Am. Bankers Asn, 68, Socio-economic indicators and attitudinal determinants of consumer bankruptcy, Am. Mkt. Asn, 68 & Social class and consumer use of credit cards, J. Mct. 1/69. Address: Dept. of Marketing, 120 Boucke Bldg, Pennsylvania State University, University Park, Pa. 16601.
- MATHIOT, DR. MADELEINE. Ethnolinguistics, Sociolinguistics. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.
- MATHIS, DR. F(ERDINAND) JOHN. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Economist, 70-, Chase Manhattan Bank, 1 Chase Manhattan Plaza, New York, N.Y. 10015.
- MATHIS, DR. WILLIAM KARY, JR, b. Lubbock, Tex, July 17, 36; m. 56; c. 3. ECONOMICS, AGRICULTURAL ECONOMICS. B.S. Tex. Tech. Col., 58; Nat. Defense Ed. Act. fel, Texas A&M, 65-67, M.S. 67; Ford Found, fel, 67-69, Ph.D. (agr. econ), 69. Mgr. cattle ranch, Carrizozo, N.Mex, 61-62; asst. ext. agent, agr. exten. serv, Texas A&M, 62-65; ASST. PROF. AGR. ECON, FLORIDA, 69- U.S.A.F. 58-61, Res, 61-, Capt. Agr. Econ. Asn. Economics of trade and development; development planning; agricultural sector analysis. Publ: Co-auth, The Dominican beef industry, its organization and role in economic development, 67 & auth, An economic simulation model of the Cacao industry of the Dominican Republic, 69, Int. Progs. Off, Texas A&M Univ; co-auth, Evaluating incentive payment programs through aggregate production response: the case of Mohair, South, J. Agr. Econ, 69. Address: Dept. of Agricultural Economics, G 109 McCarty Hall, University of Florida, Gainesville, Fla. 32601.
- MATHUR, DR. VIJAY K, b. Bulandshahr, India, June 30, 39; m. 66. ECO-NOMICS. B.A, Allahabad, 58, M.A, 60; Cmt. Urban Econ, Resources for Future fel, Wayne State, 66, Ph.D. (coon), 69. Instr. ECON, Wayne State, 67-68; CLEVELAND STATE, 68-69, ASST. PROF, 69- Am. Econ. Ass; Regional Sci. Ass; Royal Econ. Soc. Urban occupational composition and income; cost benefit analysis; urban manpower problems; regional growth and trade. Publ: An economic analysis of crime production, Conf. Paper, Ohio Ass. Economists & Polit. Scientists, 4/70; Occupation mix and its determinants; an intercity size class analysis, J. Regional Sci, 10/70. Address; Dept. of Economics, Cleveland State University, Cleveland, Ohio 44115.
- MATSON, DR. ROGER ALLEN, b. Minot, N.Dak, July 29, 38; m. 67. ECO-NOMICS. B.A, Concordia Col, 60; Ph.D.(econ), Colorado, 65; M.R.P., North Carolina, 70. Instr. econ, Montana, 63-64; U.S. Pub. Health Serv. trainee, 64-65; economist, regional studies staff, TENN. VALLEY AUTHORITY, 65-68, CHIEF ECON. RES. STAFF, 68- Lectr, Tennessee, 69-70. Regional economics; urban development; population and labor mobility. Address: Tennessee Valley Authority, Knoxville, Tenn. 37901.
- MATTESON, DR. HALSEY H. b. Washington, D.C. Nov. 11, 36; m. 62; c. 2. PSYCHOLOGY. B.A. Illnois, 59, A.M. 62, Ph.D. (psychol), 63. Civilian scientist, U.S. Naval Submarine Med. Center, 63-65; ASST. PROF. PSYCHOL, TULANE, 65- AAAS; Optical Soc. Am; Psychol. Asn. Visual sensory psychology; photometry; colorimetry; melorinats; temporal factors in vision; motion and form perception. Publ; Co-auth, Color-mixture functions with a white desaturant, 65 & auth, Effects of surround size and luminance on metacontrast, 69, J. Optical Soc. Am; co-auth, Interacting sensitivity functions obtained in a contrast situation, Vision Res, 67. Address: Dept. of Psychology, Tulane University, New Orleans, La. 70118.
- MATTHEWS, PROF. DONALD R(OWE). Political Science. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Sr. fel, 70-, Brookings Institution, 1775 Massachusetts Ave. N.W., Washington, D.C. 20036.
- MATTHEWS, DR. HARRY GLEN, b. Springhill, La, Feb. 12, 39; m. 60; c. 4. POLITICAL SCIENCE. B.A. Centenary Col. 62; Lincoln Sch. Pub. Finance fel, Claremont Grad. Sch. 65-66, M.A. 66, Ph.D. (2004), 68. Instr. LaPuente Union High Sch. Dist, Los Angeles County Sche, 64-66; ASST. PROF. POLIT. SCI., NORTHERN ARIZONA, 66- Summers, assoc. prof. Tennessee, Chattanooga, 68, Univ. West Indies Prog. Training & Res. in Pub. Admin. for East. Caribbean res. grant, 69 & Northern Arizona Univ. res. grant, Brit. W.I. 70. Polit. Sci. Asn; Int. Studies Asn. British West Indies, particularly foreign policy of the independent states and development problems. Publ: Attitudes toward training and development; a study of St. Lucia and St. Vincent, Soc. & Econ. Studies, (in press). Address: Box 5806, Northern Arizona University, Flagstaff, Ariz. 88001.
- MATTHEWS, PROF. WILLIAM P(ARKER). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Division of Behavioral Sciences & Education, High Point College, High Point, N.C. 27262.
- MATTHIES, PROF. BERNARD D(EAN), b. Ohiowa, Nebr. Dec. 12, 35; m. 60; c. 2. PSYCHOLOGY, EDUCATION. B. A. Doane Col., 57; M.Ed. Nebraska, 62, Ed.D.(ed. psychol), 65. Instr. PSYCHOL, DANA COL, 62-64, asst. prof. 64-68, assoc. prof., 66-67, PROF. 67- Psychol. Asn; Nat. Soc. Col. Teachers Ed. Independence training and social values as correlates of academic achievement of children of various ethnic groups. Address: Dept. of Psychology, Dana Collège, Blair, Nebr. 68008.
- MATTHYSSE, DR. STEVEN, b. New York, N.Y., Aug. 27, 39; m. 62; c. 1. PSYCHOLOGY, BIOCHEMISTRY, B.S., Yale, 59, B.A., 60; Princeton, 60-61; Rockefeller Univ, 61-63; Ph.D. (clin, psychol), Harvard, 67. Asst. prof, Pitzer Col, 66-69; RES. FEL. PSYCHIAT, MASS. GEN. HOSP, 69- AAAS; Psychol. Asn; Acad. Relig. Biochemical aspects of mental tilness. Publ: On the uncertainty principle, Am. J. Physics, 60; co-auth, Passive stability in a metabolic network, J. Theoret. Biol, 64 & Neurochemistry; at the crossroads of neurobiology, Annual Rev. Biochem, 71. Address: Dept. of Psychiatry, Massachusetts General Hospital, Boston, Mass. 02114.

- MATTICK, HANS W(ALTER). Sociology, Criminology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Co-dir, center studies criminal justice, law sch, Chicago, 69- Address: 5619 S. Dorchester Ave, Chicago, III. 60637.
- MATTINGLY, DR. MARY R, b. Lima, Ohio, July 11, 40. POLITICAL SCI-ENCE. B.A, Dayton, 82; M.A, St. Louis, 64; Ph.D.(polit. sci.), Mich. State, 69. Instr. polit. sci. payron, summers 52 & 64; polit. sci. & Am. hist, Our Lady of the Lake Col, 64-65; ASST. PROF. GOVT, TEXAS A&I, 69-Polit. Sci. Asn. Behavioral research on the United States Supreme Court; work done on the Hughes and Warren courts. Address: Dept. of Government, Texas A&I University, Kingsville, Tex. 78853.
- MATTY, DR. HENRY BENJAMIN. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Co-adj. lectr, Rutgers, 693-Towers of Windsor Park, 8-E Kyoto, Cherry Hill, N.J. 08034.
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- MAUNG, DR. M. ISMAEL K(HIN), b. Kyaikto, Burma, Feb. 5, 32; c. 2. SOCI-OLOGY, DEMOGRAPHY. B. A. Rangoon, 55; Colorado, 56-59; M. A. Chicago, 61, Ph.D. (sociol.), 66. Asst. prof. SOCIOL, Mankato State Col, 64-66; Hamine, 66-67; Temple Buell Col, 67-69; ASSOC. PROF. MONTANA STATE, 69-Sociol. Asn. Differential fertility in underdeveloped areas; comparative urbanization; planning and development of small communities; scientific creativity and organizational setting; interdisciplinary evaluation of the concept of a world community. Publ: The Arab contribution to mathematics, Univ. Rangoon Mag. 54. Address: Dept. of Sociology, Montana State University, Bozeman, Mont. 59715.
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- MAUSER, PROF. FERDINAND F(RANK). Marketing. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1725 Burns Dr, Detroit, Mich. 48214.
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the training of psychiatric residents, in: Concepts of community psychiatry:
a framework for training, U.S. Dept. Health, Ed. & Welfare, 65; co-auth,
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MEYER, DR. JOHN K(ELLOGG). Psychology, Cultural Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Naval Personnel & Training Research Lab, San Diego, Calif. 92152.

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MEYERING, PROF. RALPH A, b. Istanbul, Turkey, June 23, 30; U.S. citizen; m. 56; c. 2. PSYCHOLOGY, EDUCATION. B.S, Mankato State Col, 52; M.A, Northwestern, 56; Ph.D. (counseling), Jowa, 61. Teacher, Am. Sch. for Boys, Turkey, 52-55; Central High Sch, Mich, 56-58; res. consuit, Am. Girl's Col, Turkey, 60-61; assoc. prof. ED. & PSYCHOL, ILLINOIS STATE, 61-68, PROF, 66- Fulbright prof, Univ. Chiengmai, 67-68; vis. prof, Univ. Sydney,

- 68. Psychol. Asn; Personnel & Guid. Asn; Ed. Res. Asn. Counseling 'heory; psychological and personality measurement; counselor education. Publ. Uses of test data in counseling, Houghton, 68; Another look at the expressed and measured interests of high school students, Guid. J. 67; The wonderland of counselor education, in: Professional problems in school counseling practice, int. Textbook, 68. Address: Counselor Education Center, Illinois State University, Normal, 110. 61761.
- MEYERS, PROF. ARTHUR C(HRISTIAN), JR. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chum, dept. econ, St. Louis, 68- Address: 3674 Lindell Blvd, St. Louis, Mo. 63108.
- MEYERS, PROF. MARVIN. American & Intellectual History. See 5th ed, Dir. Am. Scholars, Vol. 1, Hist.
- MEYROWITZ, ALVIN, b. New York, N.Y, Dec. 16, 17; m. 42; c. 2. BUSINESS ADMINISTRATION. A.B., Cornell, 38; M.B.A. N.Y. Univ, 41; George Washington, 48-50. Asst. bus. res, Newark, 37-38; mkt. analyst. Miller, Franklin & Co, 38-41; chief copper br, off. civilian supply, War Prod. Bd, 41-46; dir. basic mat. div, Nat. Housing Authority, 46-49, asst. dir. copper div, Nat. Prod. Authority, 49-51; v.pres. & gen. mgr. smelting & refining brass & bronze, Callf. Div, H. Kramer & Co, 51-62; exec. v.pres, Cal-Tech Systs, Inc. 62-64; V. PRES, H. KRAMER & CO, 64 Consult, copper policy, U.S. Dept. Commerce, 51-56, mem. exec. reserve bus. & defense adv. serv. 56; bd. dirs, Merchants Petrol. Co; adv. bd, Mfrs. Bank of Los Angeles; dir. & secv. Olde 395 Corp. Statist. Asn; Mkt. Asn; Econ. Asn; inst. Mgt. Air Pollution Control Asn, Ord. Asn. Publ: Marketing review of the worlds fair. Relative preference of low income groups for small stations. Address: 10450 Wilshire Blvd, Los Angeles, Calif. 90024.
- MICCIO, PROF. JOSEPH V, b. Brooklyn, N.Y, May 1, 15; m. 57; c. 2. MAN-AGEMENT, FINANCE, B.B.A, St. John's (N.Y), 35; M.A, N.Y. Univ, 40, Ed.D. (bus), 65; Ll.D, Fairleigh Dickinson, 63. Controller & dir, Aircooled Motors Inc, 45-50; controller airplane div, Curtiss-Wright Corp, 50-52, gen. mgr. & v.pres. electronics div, 52-54, pres. Wright aeronaut. div, 54-64; sr. v.pres. corp, 64-66; PNOF. MGT, UNIV. HAWAII, 66-, chmm. grad. prog. & assoc. dean. col. bus. admin, 67-69. Consult, Hawaii State Crime Prev. Cmt. & bus. corps, Mainland & Hawaii. Financial Exec. Inst; Soc. Adv. Mgt. Managerial controls; executive development training. Publ; Controls in data processing, Financial Exec., 6/67; Electronic data process—controls and economics, J. Data Mgt, 6/67; Financial management in transition, J. Controllers & Financial Officers of Saving Insts, spring 68. Address: College of Business Administration, University of Hawaii, Honolulu, Hawaii 96822.
- MICHAEL, DR. STEPHEN R(OBERT), b. New Brunswick, N. J. Sept. 20, 22; div. c. 2. MANAGEMENT B. A., Rutgers, 48; M. A., Harvard, 49; Nat. Defense Ed. Act fel., Columbia, 61-64, Ph.D. (bus. admin), 67. Bus. mgr. cop. test div., Ed. Testing Serv., 49-57; admin. systs. supvr., Smith Kline & French Labs. S7-61; ASSOC. PROF. MGT., SCH. BUS. ADMIN, MASSACHUSETTS, 65- U.S. A., 42-45, Sgt. Acad. Mgt. Acad. Polit. & Soc. Sci; Mgt. Asn; Soc. Personnel Admin; Soc. Pub. Admin. Organization and management theory; comparative institutional administration. Publ: Appraising management practices and performance, Prentice-Hall, 63; Leased cars, Sales Mgt, 1/59 & Developing managers out of creative specialists, Res. Mgt, summer 61. Address: Dept. of Management, University of Massachusetts School of Business Administration, Amherst, Mass. 01002.
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- MICHALOS, DR. ALEX C. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- MICHALSON, DR. EDGAR LLOYD. Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. resource economist, 69-, Water Resources Research Institute, University of Idaho, Moscow, Idaho 83843.
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- MIDDENTS, DR. GERALD JOHN, b. Kamrar, Iowa, July 10, 33; m. 55; c. 2. PSYCHOLOGY, THEOLOGY, B.S.C, Iowa, 54; B.D, Dubuque Theol. Sem, 69; M.A, Mimesota, 65, Ph.D. (creativity, anxiety), 67. Mgt. trainee, Northwest. Bell Tel. Co, 54-57; head resident, Dubuque, 57-60; asst. minister, John Hus Presby. Church, 60-63; asst. ed. psychol, Minnesota, 64-66; ASST. PROF. PSYCHOL. & ED, AUSTIN COL, 67- Student pastor, First Presby. Church, Volga, Iowa, 59-60; moderator of congregations, Minneapolis Presby-tery, 63-67; counselor, United Campus Christian Fel, Univ. Minnesota, 66-67; dir. counseling center & Presby. Guid. Center, 67-; summer, field rep, Presby. Synod Minn, 65. U.S.A.F., 54-56, Capt. Psychol. Asi, Personnel & Guid. Asi, Acad. Relig. & Ment. Health; Asn. Counsr. Ed. & Supv. Relationship of psychology and theology; relationship of creativity and anxiety; optimal learning conditions for mental health. Address: Box 1242, Austin College, Sherman, Tex. 75090.
- MIDDLEBROOK, DR. PATRICIA N, b. Magnolia, Md; m. 64. SOCIAL PSYCHOL-OGY. B.A, Swarthmore Col, 57; M.S, Yale, 59, Ph.D. (psychol), 64. Instr. PSY-CHOL, CENT. CONN. STATE COL, 63. 66, asst. prof. 66-89, ASSOC. PROF. 69-Psychol. Asn. Questionnaire responses; fear stimuli; history of social psychology. Publ: Co-auth, Effectiveness of fear-arousing movies in motivating preventive health practices, N.Y. State J. Med, 63, Field experiment on feararousal with data on the validity of questionnaires, J. Personality, 64 & Persistence of influence for varying durations of exposure to threat stimuli, Psychol. Reports, 65. Address: Dept. of Psychology, Central Connecticut State College, New Britain, Conn. 06050.
- MIDLARSKY, DR. ELIZABETH, b. Brooklyn, N.Y., Apr. 29, 41; m. 61; c. 1. PSYCHOLOGY. B.A, City Univ. New York, 61, fel, 61-63; M.A, Northwestern, 66, Ph.D. (aiding responses), 68. Lectr, eve. div, Northwestern, 65-67; ASST. PROF. CLIN. PSYCHOL, DENVER, 68- Psychol. Asn. The development and elicitation of aiding responses in adults and children. Publ Co-auth, Training charity in children, J. Personality & Soc. Psychol, 67; auth, Ading responses: an analysis and review, Merrill-Palmer Quart, 68; Some antecedents of aiding under stress, Proc. Annual Convention Am. Psychol. Asn, 68. Address: Dept. of Psychology, University of Denver, Denver, Colo. 80210.
- MIELKE, DR. KEITH WILLIAM, b. Perry, Okla, Nov. 15, 33; m. 55; c. 2. COMMUNICATIONS. B.M.E. Phillips, 56; M.S. Syracuse, 61; Ph.D. (commun), Mich. State, 65. Lectr. radio & TV, INDIANA, BLOOMINGTON, 64-65, asst. prof, 65-68, CHMN. DEPT. MASS COMMUN, 66-, ASSOC. PROF. RADIO & TV, 68- Res. ed., 64. Broadcasting Rev, 68- Nat. Guard, 53-56, Sqt; U.S.A., 57-60. Asn. Ed. in Journalism; Speech Asn. Am; Nat. Asn. Ed. Broadcasters. Mass communications; instructional television research. Publ: Education level as a correlate of attitudes toward television, J. Broadcasting, Vol. 9, No. 4; Asking the right ETV research questions, Ed. Broadcasting Rev, 12/68. Address: Dept. of Mass Communications, 419 N. Indiana Ave, Indiana University, Bloomington, Ind. 47401.
- MIKAELIAN, DR. HARUTUNE HOVANES. Experimental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Psychology, Connecticut College, New London, Conn. 06320.
- MIKOLIC, DR. STANISLAY-ADOLF. Political Science, Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Naturalized U.S. citizen; also chmn, 68-, Dept. of Social Sciences, Sacred Heart University, Bridgeport, Conn. 06604.
- MILAM, DR. ROBERT LOUIS, b. Shepherdeville, Ky, June 14, 36; m. 68. ECONOMICS, STATISTICS. B.S. Kentucky, 62, M.S. 64; Mack grant & Ph.D. (econ), N.C. State, 68. Instr. econ, N.C. State, 64-66; ASST. PROF. ECON. & CHMN, DEPT. ECON. & BUS, WESTMINSTER COL. (PA), 66. Lectr., Youngstown State, 69. Acad. consult, Indust. Info. Inst, Youngstown, Ohio, 66-70; econ. consult, arbit. cases, West. Pa. area, 69-70; 6en. Motors Corp. anti-trust suit, disability, death & personal injury cases, 70; Am. Enterprise Inst. & Inst. Soc. Sci. Res, 70. U.S.A, 94-56. Econ. Asn. Agr. Econ. Asn. Land and water resource development, especially economics of outdoor recreation. Publ: Recreation—a new farm harvest, Tarheel Farmer, 65; co-auth, Estimating the demand for outdoor recreational service, Am. J. Agr. Econ. 2/70. Address: Dept. of Economics & Business, Westminster College, New Wilmington, Pa. 16142.
- MILBURN, DR. JOSEPHINE F(ISHEL). Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. polit. sci, Rhode Island, 70- Address: 115 Bowen St, Kingston, R.I. 02681.
- MILBURN, PROF. THOMAS W, b. Newkirk, Okla, Jan. 29, 23; m. 47; c. 3. FSYCHOLOGY. B.A, Stanford, 51, M.A, 55, Ph.D, 59. Eval. & testing supr., Dalmo Victor Co, Calif, 52-54; res. asst. psychol. & counsr, counseling & testing center, Standon, 54-57; head employee develop, personnel dept, U.S. Naval Ord. Test Sta, 57-69, res. soc. psychologist, weapons plan-

ning group, 59-62, head behav. sci. group, 62-65; vis. assoc. prof. PSY-CHOL, Northwestern, 65-68; PROF, DePAUL, 68-Res. assoc. grad. prog. int. rels, Northwestern, 60-65, lett, 69. Qm. C, U.S.N, 42-46. P61. AAS; fel. Psychol. Asn; Int. Studies Asn. Conflict, crises and their management; values; evaluative dependence as a personality trait; research methodology and its evaluation. Publ: What constitutes effective deterrence, J. Conflict Resolution, 59; The management of crises, In: Contemporary research in international crises, Princeton, 70; co-auth, Censure, approval, evaluative dependence and verbal learning, J. Personality & Soc. Psychol, 70. Address: 426 Linden St, Winnetka, Ill. 60093.

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MILES, DR. EDWARD L, b. St. Augustine, Trinidad, W.I., Dec. 21, 39; m. 63. POLITICAL SCIENCE, SOCIOLOGY. B.A. Howard, 62; Ph.D.(int. rels), Denver, 65. Instr. INT. RELS, GRAD. SCI. INT. STUDIES. DENVER, 65. 66, asst. prof., 66-70, ASSOC. PROF, 70-, res. grant, 68-69. Carnegie Endowment Int. Peace, summer 69. AAAS; Soc. Int. Law; Int. Studies Asn. International law and organization; science, technology and international relations. Publ: Organizations and integration in international systems, Int. Studies Quart, 6/68 & Technology, ocean management and the law of the sea, Denver Law J, spring 69; International administration of space exploration and exploitation, in: International administration, Oxford Univ, 71. Address: Graduate School of International Studies, University of Denver, Denver, Colo. 80210.

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MILGRAM, PROF. STANLEY. Social & Experimental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Doctoral Program in Social Psychology, The City University of New York, University Graduate Center, 33 W. 42nd St, New York, N.Y. 10036.

MILGRIM, DR. HERBERT J, b. New York, N.Y, Feb. 10, 36; m. 61; c. 2. ECONOMICS. B.B.A, City Univ. New York, 56, M.B.A, 63; Ph.D.(econ), N.Y. Univ, 68. Instr. econ, Pace Col, 65-66; ASST. PROF. BUS. ECON, SOUTH-ERN CALIFORNIA, 68- U.S.A, 56-58. Econ. Asn. Effects of product demand and product differentiation on the location of the individual firm. Publ: Growth and real price trends in the broiler chicken industry, Ark. Bus. & Econ. Rev, 11/69. Address: Graduate School of Business Administration, University of Southern California, Los Angeles, Calif. 90007.

MILL, DR. CYRIL R(ALPH). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 141 Wolftrappe Square, Vienna, Va. 22180.

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59. Nat. Insts. Health res. fel. PSYCHOL, London, 59-62; asst. prof. Carnegie Inst. Tech, 63-65; York (Ont), 66-67; lectr. Reading, 67-68; RES. OFFICER, OXFORD, 69- Sr. res. consult, Alcoholism & Addiction Res. Found,
Toronto, 66-67. Animal conditioning and learning; computer applications to
psychology; motivation and emotion; programmed instruction. Publ: Principles of behavioral analysis, Macmillan, 67; Random interval schedules of
reinforcement, J. Exp. Anal. Behav, 63; A computer system for process control of psychological experimentation, Decus Proc, 68. Address: Dept. of
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MILLER, A. EDWARD. Business Administration. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position: Pres, Berlitz Sch. Lang, 70- Address: 140 E. 38th St, New York, N.Y. 10016

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- MILLER, DR. STANLEY NORMAN. American History & Government. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MILLER, PROF. VERGIL V. b. Eugene, Ore, Oct. 28, 29; m. 54; c. 2. BUSI-NESS ADMINISTRATION. B.A, Öre. State Col, 55; M.B.A, Washington (Seattle), 59; grant, 5an Jose State Col, 62; D.B.A, Oregon, 63. Asst. bus, Washington (Seattle), 63–65; nest, oregon, 59–61; asst. prof, 5an Jose State Col, 61–62; Oregon State, 62–63; assoc. prof. bus. admin, East. Wash. State Col, 63–67, chmn. dept, 63–65; PROF. BUS. ADMIN. 8 DEAN SCH, SAC-RAMENTO STATE COL, 67– Participant, Int. Bus. Mach. Corp. Sch. for Dirs. Digital Comput. Centers, Poughkeepsie, N.Y., 64; admin. dir, Digital Con, Ore, 60-; Cascade Summit Construct. Co., Summer, 63; Checchi & Co., D.C, 66-67. Assoc. prof. univ. & ed, Northwest Bus. Mgt, Oregon State, 65–67. Acct. Assi, Econ. Assn. Finance Asn. Managerial Innace; business economics; economics; monetary and banking theory; theory of organization and management; statistics and quantitative decision theory; sociology and related subjects, especially human relations in industrial administration. Pull Negative control versus positive motivation for attaining managerial goals, summer 65 & The cash budget—a method for planning luture cash needs, fail 66, Northwest Bus. Mgt, co-auth, Capital budgeting: a modified approach to capital allocation, Mgt. Acct, 3/69. Address: School of Business Administration.
- MILLER, DR. WICK R, b. Albuquerque, N.Mex, Jan. 6, 32; m. 54; c. 2. AN-THROPOLOGY, LINGUISTICS. A.B, New Mexico, 53; Am. Coun. Learned Socs. 1el, Michigan, summer 59; Ph.D. (ling), California, Berkeley, 62. Asst. res. linguist, Inst. Human Learning, California, Berkeley, 60-63; asst. prof. ANTHROP, UTAH, 63-67, ASSOC. PROF. 67- Nat. Sci. Found. res. grant, 64-68. Anthrop. Asn, Ling. Soc. Am. Child language; social linguistics; Uto-Aztecan linguistics. Publ: Acoma grammar and texts, 65 & Uto-Aztecan cognate sets, 67, Univ. California, Anthropological linguistics in the Great Basin, In. The current status of anthropological research in the Great Basin, Univ. Revacia, 64. Address: Dept. of Anthropology. University of Utah, Salt Lake City, Utah 84112.
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- Asn; Soc. Int. Develop; Nat. Coun. Family Rels. Educational psychology; learning theory; national development; conflict theory; clinical psychology; family life studies; social psychology. Publ: Function of level of awareness on problem solving; Predicting academic and officer performance of the U.S. Air Force Academy class of 1959. Address: Box 5860, Northern Arizona University, Flagstaff, Ariz. 86001.
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- MILSTEIN, DR. JEFFREY STEPHEN, b. Denwer, Colo, Dec. 24, 39; m. 63; c. 1. POLITICAL SCIENCE. A. B. Columbia, 62; M.A., Stanford, 65, Ph.D. [polit. sci), 70. ASST. PROF. POLIT. SCI, Mich. State, 68-69; YALE, 69-Consult, off. nat. security studies, aerospace systs. div, Bendix Corp, 69-Am. Polit. Sci. Asn; Peace Res. Soc. (Int); int. Studies Asn. International relations and conflict; foreign and military policy making; content and statistical analysis; mathematical modeling; computer simulation; measurement and scaling of events; Vietnam War; Arab-Israeli conflict; Soviet-American arms race; international cooperation for population planning and control. Publ: Co-auth, Scaling data on inter-nation action, Science, 5/67 & Dynamics of the Vietnam conflict, 1965-1967; a quantitative analysis and predictive computer simulation, Papers of Peace Res. Soc. (Int), 68; An educational experiment, In: Computers and policy-making community, Prentice-Hall, 68. Address: Dept. of Political Science, Yale University, New Haven, Conn. 06520.
- MINDEN, DR. ARLO J, b. Strom Lake, Iowa, Jan. 25, 41; m. 61; c. 3. AGRI-CULTURAL ECONOMICS, MANAGEMENT SCIENCE. B.S, Iowa State, 62, M.S., 63, Ph.D. (agr. econ), 65. Short course officer adult ed, lowa State, 62-64; res. assoc. agr. econ, 64-65; res. economist, Fla. State Citrus Cmn, 65-66; asst. prof. AGR. ECON, PURDUE, 66-69, ASSOC. PROF, 69- Agr. Econ. Asn. Firm growth strategy; computerized management decision making. Publ: Quadratic programming: an approach to allocating primary product stocks among alternative final product forms, South. J. Bus. 4/67; Dynamic programming: a tool for farm firm growth research, Can. J. Agr. Econ, 6/68; A systems approach to planning long-range marketing programs, Am. J. Agr. Econ, vol. 50, No. 5; plus others. Address: Dept. of Agricultural Economics, 621 Krannert Bldg, Purdue University, Lafayette, Ind. 47907.
- MINER, PROF. ROBERT B(RADFORD). Marketing. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: College of Administrative Science, Ohio State University, 1775 S. College Rd, Columbus, Ohio 43210.
- MINGO, DR. JOHN J(ERALD), b. Norristown, Pa, Feb. 1, 43; m. 66; c. 1. ECONOMICS. B.A, Yale, 65; Ph.D.(econ), Brown, 70. ASST. PROF. ECON, & DIR. CENTER ECON. ED, MONTANA, 69- Exec. dir, Mont. State Coun. Econ. Ed, 70- Econ. Asn; Economets. Soc. Economic growth; international trade; macroeconomics. Publ: Capital imports and two-sector growth in a small country, West. Econ. J, 970. Address: Dept. of Economics, University of Montana, Missoula, Mont. 59801.
- MINKE, DR. KARL ALFRED, JR, b. Piqua, Ohio, Feb. 28, 40; m. 63; c. 1. PSYCHOLOGY. B.S, Arizona State, 61; Ph.D.(ed. psychol), Wisconsin, 68. ASST. PROF. PSYCHOL, HAWAII, 68-Psychol. Asn. Complex human behavior; verbal behavior; behavior modification; experimental analysis of behavior; verbal behavior ystudy of reading acquisition, Child Develop, 64, Reinforcement variables in the control of unit reading responses, J. Exp. Anal. Behav, 64 & Cognitive behavior modification: motivated learning reading treatment with subprofessional therapy-technicians, Behav. Res. & Ther, 67. Address: Dept. of Psychology, University of Hawaii, Honolulu, Hawaii 96822.
- MINKEL, PROF. CLARENCE W(ILBERT). Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also assoc. dean, 68-, Graduate School, Michigan State University, East Lansing, Mich. 4823.
- MINNEMAN, DR. P(AUL) G(EORGE). Agricultural Economics. Sec L.- Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Consult, 69-, Foreign Agricultural Service, U.S. Dept. of Agriculture, Washington, D.C. 20250.
- MINTZ, PROF. ILSE. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Adj. prof, Catholic Univ, 69- Address: 4201 Cathedral Ave, Washington, D.C. 20016.

MINTZ, DR. JEROME RICHARD, b. Brooklyn, N.Y. Mar. 29, 30; m. 55; c. 2. ANTHROPOLOGY, FOLKLORE. B.A. Brooklyn Col, 52, M.A. 55; univ. fel, Indiana, 59, Littauer fel, 60, Ph.D. (folklore, anthrop), 61. Lectr. folklore, New Sch. Soc. Res, 60; instr. Eng. Ohio State, 60-61; asst. prof. FOLKLORE, INDIANA, BLOOMINGTON, 62-66, ASSOC. PROF. 66. Indiana Univ. res. grants, 63, 64, 67 & 68; Ford Found. fel, 65-66. Consult, Am. Philos. Soc. summers 62 & 68. Anthrop. Assr. Folklore Soc. Anthropological folklore; religious sects and revitalization movements; Mediterranean culture. Publ: Co-auth, Using American English, Harper, 64; auth, Legends of the Hasidim, an introduction to their culture and oral tradition in the New World, Univ. Chicago, 68; co-auth, In praise of the Besnt, Indiana, 69. Address: Folklore Institute, Indiana University, 714 E. 8th Bloomington, Ind. 47401.

MINTZ, DR. NORMAN N(ELSON). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 69-, Dept. of Economics, Columbia University, New York, N.Y. 10027.

MINTZBERG, DR. HENRY, b. Montreal, Que, Sept. 2, 39; m. 63; c. 1. MAN-AGEMENT. B.Eng, McGill, 61; B.A, Sir George Williams, 62; S.M, Mass. Inst. Tech, 65, Ford Found. fel, 67, Ph.D. (mgl), 68. Opers. res. analyst, Can. National, 61-63; asst. prof. MGT, McGilLL, 68-70, ASSOC. PROF, 70-Inst. Mgt. Sci. Managertal work; programming the decision-making and strategy-making process; development of theory of management policy. Publ: The science of strategy-making, indust. Mgt. Rev, 67; co-auth, The planning dilemma, Mgt. Rev, 68; auth, Structured observation as a method to study managerial work, J. Mgt. Studies, 70. Address: Faculty of Management, Purvis Hall, McGill University, Montreal, Que, Can.

MIRACLE, PROF. MARVIN P(RESTON). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 98-, African Studies Program, University of Wisconsin, Madison, Wis. 53706.

MIRAKHOR, DR. ABBAS, b. Tehran, Iran, July 1, 41; m. 65; c. 1. ECONOM-ICS. B.A, Kansas State, 65, M.A, 66, Ph.D. (econ), 69. ASST. PROF. ECON, ALABAMA, HUNTSYLLE, 68-, CHMN. DEPT, 70- Agr. Econ. Asn; Economet. Soc; Inst. Decision Sci. Econometrics and mathematical economics problems; application of optimal control methods to economic problems. Publ: Co-auth, The importance of farm sector in the economy: a multiplier approach, 11/68 & Mysterious multiplier: comment, 8/69, Am. J. Agr. Econ; co-auth, Utiliarian basis for optimum savings, Indian J. Econ, 7/69. Address: Dept. of Economics, University of Alabama, Huntsville, Ala. 35807.

MIRIN, DR. LINDA S. Economics, Political Science. See KOENIG, DR. LINDA MIRIN, this Suppl.

MISEY, DR. EDWARD GABRIEL Public Law, Government. Sec L.-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Spec. asst. to legal adv, Dept. of State, 69- Address: 3263 Beech St. N.W, Washington, D.C. 20015.

MISHKIN, DR. DAVID J(OEL), b. New York, N.Y., Jan. 29, 37. FINANCE, ECONOMICS. B.A., Queens Col, 58; A.M., Columbia, 60; Nat. Sci. Found. fel, Illinois, 64, Eli Lilly Endowment fel, 65, H.B. Earhart fel. & Ph.D. (econ. & finance), 66. Investment analyst, Bacho & Co., Inc., 60-61; dir. res, Standard Prudential Corp, 62-66; dir. strategic planning, Investors Diversified Serv, Inc., 66-67; V. PRES, INTERPLAN NO., 67-; ASSOC. PROF. FINANCE, FORDHAM, 69- Nat. Asn. Bus. Econ. Finance Asn; Econ. Asn; Statist. Asn. Corporate finance and the innovation of financial instruments. Publ: The credit rationing artifact in light of an expanded price rationing theory, Am. Economist, winter 64, Corporate mergers: past present and future, Commercial & Financial Chronicle, 10/66 & Financial innovation: a review and forecast, Financial Exec., 10/68. Address: Dept. of Finance, Fordham University, Bronx, N.Y. 10458.

MISHKIN, PROF. PAUL J. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

MISNER, DR. GORDON EUGENE. Criminology, Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Vis. prof. & acting dir, admin. justice, prog. 70-, University of Missouri, 8001 Natural Bridge Rd, St. Louis, Mo. 63121.

MISSHAUK, DR. MICHAEL J, b. Sept. 9, 39; U.S. citizen. ORGANIZATIONAL BEHAVIOR. B.S., Manhattan Col., 61; M.B.A., Mich. State, 63; grant, Pa. State, 66-67; Ph.D. (mgt), Ohio State, 67. Systs. engr., Am. Bosch Arma Corp, 61-62; indust. engr., Int. Bus. Mach. Corp, 64; ASST. PROF. MGT. Pa. State, 66-68; SOUTHERN CALIFORNIA, 68- Consult, exec. develop. prog. bus. corps, Los Angeles, 68-69. Soc. Adv. Mgt, Mgt. Ass. Simulation as a tool in understanding small group behavior through use of structure, feedback and information variations; leadership style influence on satisfaction, motivation and performance of various employee groups. Publ: Co-auth, Studies in organizational behavior and management, rev. ed, Int. Textbook, 70; co-auth, A comparative analysis of high and low producing employees' satisfaction with selected environmental factors, Personnel J, 3/69 & Job satisfaction and productivity: how do environmental work factors influence these variables, Personnel Admin, 1/70. Address: 999 N. Doheny Dr, West Los Angeles, Calif. 90069.

MITCHELL, DR. CARL, b. Santa Paula, Calif, July 29, 26; m. 53; c. 3. PSY-CHOLOGY & RELIGION. B.A, Pepperdine Col, 49, M.A, 63; dipl, Florence, 60; Ph.D.(ed. psychol), Southern California, 67. Minister & missionary, Churches of Christ, 50-65; ASSOC. PROF. RELIG. & PSYCHOL, PEPPER-DINE COL, 65- Res. asst, U.S. Off. Ed. Proj. Potential, Southern California, 65-67. Adj.Gen.C, U.S.A, 44-46. Creativity and values; value systems of high and low creative junior high students in the Los Angeles area. Address: Dept. of Religion, Pepperdine College, 1121 W. 79th St, Los Angeles, Calif. 90044.

MITCHELL, DR. DANIEL J. B, b. Brooklyn, N.Y, Sept. 7, 42; m. 66. ECO-NOMICS. A.B, Columbia, 64; Ph.D. (econ), Mass. Inst. Tech, 68. ASST. PROF. INDUST. RELS. & BUS. ECON, GRAD. SCH. BUS. ADMN, CALI-FORNIA, LOS ANGELES, 68- Econ. Asn; Indust. Rels. Res. Asn. Labor and international economics. Publ: A simplified approach to incomes policy, Indust. & Labor Rels. Rev, 7/69; Some aspects of labour mobility and recent policy in Britain, Brit. J. Indust. Rels, 11/69. Address: Graduate School of Business Administration, University of California, 405 Hilgard Ave, Los Angeles, Calif. 90024.

MITCHELL, DR. DONALD W(ILLIAM). Political Science, History. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 21 Grim Dr, Kirksville, Mo. 63501.

MITCHELL, DR. GARY D, b. Keene, N.H., May 4, 40; m. 60; c. 3. PSYCHOLOGY. B.A., New Hampshire, 63; Woodrow Wilson fel, Wisconsin, 63-64, Nat. Insts. Health fel, 64-66, Ph.D. (psychol), 66. Res. asst. neuropsychiat, Arthur P. Noyes Inst, 61-63; proj. assoc. psychol, Wisconsin, 66-67; ASST. PROF. PSYCHOL, CALIFORNIA, DAVIS, 67-, ASST. RES. PSYCHOLOGGIST, 69- Asst. res. psychologist, Nat. Center Primate Biol, Calif, 67-69, collab. Inwestr, 69-; Nat. Inst. Ment. Health grants, 69- Psychol. Asst, Animal Behav. Soc; Int. Soc. Develop. Psychobiol. Comparative psychology; effects of early experience; primate behavior; hild psychology; social isolation; early exposure. Publ: Paternalistic behavior in primates, Psychol. Bull, 69; Abnormal behavior in primate behavior, Acad. Press, 70; Comparative development of social and emotional behavior, In: Perspectives in animal behavior, Scott, 71. Address: Dept. of Psychology, Young Hall, University of California, Davis, Calif. 95616.

MITCHELL, DEAN HERBERT HALL, b. New Market, Ala, Dec. 10, 16; m. 42 c. 4. BUSINESS ADMINISTRATION, ECONOMICS. B.S., Alabama, 39, M.S. 50; Ph.D.(econ), North Carolina, 54. Asst. to dean men, Alabama, 39-42, asst. dean men, 42-43, asst. to dean students, 46-48; instr. econ. & bus. admin, North Carolina, 48-51; asst. prof, Auburn, 51-55, assoc. prof, 55-56; prof. bus. admin, North Carolina, 48-51; asst. prof, Auburn, 51-55, assoc. prof, 55-56; prof. bus. admin. & head dept, Miss. State, 56-60; VA. POLYTECH. INST, 60-61, PROF, BUS. ADMIN. & DEAN COL. BUS, 61-Found. Econ. Ed. fel, Chicago, 56; participant, Forum on Finance, New York, 59; lectr. & consult, NASA, 67; consult, U.S. Post Off. Dept, 68. U.S.A, 43-46, Res, 46-, Col. Finance Asn. Banking and finance. Publ; A forgotten institution—private banks in North Carolina, N.C. Hist. Rev., 1/58; Banking oddities in North Carolina, South. Banker 3/60; Community development—the foundation for attracting industry, Proc. Community Develop. Workshop, Va. Polytech. Inst, 63. Address: 1406 Highland Ave, Blacksburg, Va. 24060.

MITCHELL, DR. HOWARD E(STILL). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir, 68-, Human Resources Center, University of Pennsylvania, 3610 Walnut St, Philadelphia, Pa. 19104.

MITCHELL, DR. LISLE S, b. Mansfield, Ohio, Feb. 11, 34; m. 58; c. 2. GEOGRAPHY. B.S, Ohio State, 61, M.A, 63, Ph.D. (geog), 67. Draftsman, Martin Steel Prod. Corp, 52-54; Dom. Elec. Corp, 56-57; Porter, Urgan, McQuary & Obrien, 57-58; asst. GEOG, Ohio State, 62-63, asst. instr, 63-64, instr, 64-65; SOUTH CAROLINA, 65-67, ASST. PROF, 67. Summers, Nat. Sci. Found, grant to attend inst, Ohio State Univ, 69; Nat. Endowment for Humanities & Ford Found. grant to attend inst, Northwestern Univ, 69. Pace Setter award, 65. U.S.A, 54-56. AAAS; Asn. Am. Geog; Nat. Coun. Geog. Ed; Regional Sci. Asn. Urban recreation; urban and economic geography; elocation analysis. Publ: Recreational geography: evolution and research needs, Prinl. Geog, 3/69; co-auth, Attendance as a negative function of distance, Great Smoky Mountains national park campgrounds, Southeast. Geog, 4/69; auth, Toward a theory of public urban recreation, Proc. Asn. Am. Geog, 69. Address: Dept. of Geography, University of South Carolina, Columbia, S.C. 29208.

MITCHELL, DR. LONNIE EDWARD. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: V.pres, Univ. Res. Corp, Wash, D.C. 68- Address: 312 Beaumont Rd, Silver Spring, Md. 2094.

MITCHELL, LOUISE PEARSON. American History, African Studies. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

MITCHELL, DR. ROBERT D, b. Motherwell, Scotland, Apr. 26, 40; m. 65. GEOGRAPHY. M.A., Glasgow, 62; California, Los Angeles, 62-64; Ph. D. (geog), Wisconsin, 69. Instr. GEOG, San Fernando Valley State Col, 65-66, asst. prof., 68-69; vis. lectr., California, Irvine, 68; ASST. PROF, MARY-LAND, 69; faculty res. grant, 69-70. Lectr., Maryland, summer 66. Asn. Am. Geog; Am. Geog. Soc. Historical geography of North America, especially the Colonial period; American frontier. Address: Dept. of Geography, University of Maryland, College Park, Md. 20142.

MITCHELL, PROF. ROBERT JEFFERY, b. Wichita Falls, Tex, June 22, 39; m. 60; c. 3. SPECIAL EDUCATION, PSYCHOLOGY. B.S.Educ, Cent. State Col. (Okla), 62; M.Ed. (Oklahoma, 63, U.S. Dept. Health, Ed. & Welfare fel, 63-65, Ph.D. (spec. ed), 65. Teacher, pub. sch, Okla, 62-63; PROF. SPEC. ED, NORTHEAST MO. STATE COL., 65- Psychologist, Northeast Mo. Ment. Health Clin, Kirksville, 65-66; sch. psychologist, Schuyler County Mo. Title 1 Proj. 66-; dir. psychol. serv. & bd. mem. policy adv. cmt, Kirksville Had Start Proj. 66-; dir. psychol. serv. & Deficency. Nature and structure of human intellectual function with emphasis on clinical aspects. Address: Dept. of Special Education, Northeast Missouri State College, Kirksville, Mo. 63501.

MITCHELL, DR. STEPHEN ROBERT. Constitutional Law. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. chancellor, 69-, University of Wisconsin-Parkside, Kenosha, Wis. 43140.

MITCHELL, DR. TERENCE R. b. Chicago, Ill, Jan. 13, 42. PSYCHOLOGY. B.A. Duke, 64; dipl. pub. admin. Exeter, 65; M.A. Illinois, 67, Ph.D. (psychol.), 69. Instr. psychol., Illinois, 66-89; AST. PROF. MGT. & ORGN. & PSYCHOL, WASHINGTON (SEATTLE), 69- Psychol. Asn. Application of social psychology to industrial and business settings; leadership; work motivation. Publ: Co-auth, Diffusion of the effects of cultural training of the leader in the structure of heterocultural task groups, Australian J. Psychol, 69 & Cultural differences in reaction to failure, Int. J. Psychol, 69; auth, Construct validity of three dimensions of leadership, J. Soc. Psy-

chol, 1/70. Address: Dept. of Administration & Psychology, School of Business, University of Washington, Seattle, Wash. 98105.

MITCHELL, DR. VANCE F, b. Baltimore, Md, Mar. 30, 23; m. 45; c. 2. PSY-CHOLOGY, BUSINESS ADMINISTRATION. B.S, Maryland, 57; M.B.A, George Washington, 58; Ph.D. Gus, psychol), California, Berkeley, 67. Instr. & asst. to dean schs. bus. admin, California, Berkeley, 64-67; ASSOC. PROF. ORGN. BEHAY, BRITISH COLUMBIA, 67: Staff mem, Banff Sch. Adv. Mgt, 67: U.S.A.F, 42-63, Lt. Col. Psychol. Asn; Indust. Rels. Res. Asn; Acad. Mgt. Managerial motivation; attitude studies; occupational perceptions; need satisfactions and role perceptions of military officers and noncommissioned officers. Publ: Co-auth, Comparative study of need satisfactions in military and business hierarchies, 67, Comparative managerial role perceptions in military and business hierarchies, 68; auth, Need satisfactions of military commanders and staff officers, (in press), J. Appl. Psychol. Address: Faculty of Commerce & Business Administration, University of British Columbia, Vancouver 8, B.C, Can.

MITCHELL, DR. WILLIAM EDWARD. Anthropology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Ph.D. (anthrop), Columbia, 69. Assoc. prof, 69-, Dept. of Psychiatry, University of Vermont, College of Medicine, Burlington, Vt. 05401.

MITTLEBEELER, PROF. EMMET V(AUGHN). Political Science. See L-Z Vol., 11th ed, 50c. & Behav. Vols. New information: Vis. prof. inst. admin. Univ. Ife, Nigeria, 69- Address: School of Government & Public Administration, American University, Massachusetts & Nebraska Ave, N.W., Washington, D.C. 2001.6.

MITTRA, PROF. SID. Economic Development. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. & chmm, 69-, Dept. of Economics, Oakland University, Rochester, Mich. 48063.

MITZMAN, DR. ARTHUR. History, Sociology. See 12th ed, Phys. & Biol. Vols.

MITZNER, DR. MORRIS, b. New York, N.Y, June 1, 14; m. 35; c. 5. SOCI-OLOGY. B.S.S, City Col. New York, 43; fel, Emory, 62, M.A, 64, Ph.D. s. (sociol), 68. ASSOC. PROF. SOC. SCI, GA. INST. TECH, 61- Indust. Rel. Res. Asn; Sociol. Asn; Acad. Polit. Sci. Social psychology; complex organization. Address: 1307 N. Highland Ave. N.E, Atlanta, Ga. 30306.

MOBERLY, DR. HOWARD DEAN, b. Dalhart, Tex, Feb. 5, 34; m. 59. AGRI-CULTURAL ECONOMICS. B.S. Abilene Christian Col, 60; M.S. Texas Tech, 65; Ph.D.(agr. econ), Texas A&M, 68. Res. asst. agr. econ, Texas Tech, 63-64; Texas A&M, 64-68; ASST. PROF. ECON, S.DAK. STATE, 68- U.S.A. F, 53-57. Econ. Asr.; Agr. Econ. Asr.; Soc. Rarge Mgf. Farm and ranch economics, especially efficient resource allocation. Publ: Co-auth, Production and production requirements, costs and expected returns for midland bermuda grass—high plains of Texas, Tex. Agr. Exp. Stat, 65. Address: Dept. of Economics, South Dakota State University, 207 S. Nike Site, Ellsworth Air Force Base, S.Dak. 57706.

MOBIUS, DR. J. MARK, b. North Bellmore, N. Y. Aug. 16, 36. SOCIAL PSY-CHOLOGY, ECONOMIC DEVELOPMENT. B.F. A. Boston, 58, M.S. 59, Nat. Methodist scholar. & univ. grant, 60; Ph.D. (social psychol), Mass. Inst. Tech, 64. Consult, flek Corp. 61-62; Raytheon Corp, 62-63; vis. scholar, Brookings Inst, 64, res. coordinator, Int. Res. Assocs, 66; res. cientist, Am. Insts. Res. 66-68; res. mgr. mkt. res, Monsanto Overseas Enterprise Co., 68-69; MANAGING DIR. CORAL, INC, 69-Sociol. Asn; Am. Psychol. Asn. Polit. Sci. Asn. Economic growth, especially market development, scientific management and psychological factors affecting industrialization. Publ: The non-television household, J. Broadcasting, spring 60; Korean public opinion and the normalization of relations with Japan, Journalism Quart, autumn 65. Address: P.O. Box K-1311, Hong Kong.

MOCK, DR. JOE F(ALLWELL). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also assoc. dir, Community Ment. Health Center, Inc. Address: 93 N. Edgemont Rd, Huntington, W.Va. 25701.

MODIANO, DR. NANCY, b. New York, N.Y, Sept. 21, 30. EDUCATIONAL ANTHROPOLOGY, B.S. N.Y. Univ, 51; M.A. 56; Ida M. Bowman fel. & Off. Ed. grant, 64, Ph.D. (elem. ed), 66. Supvr. group work, Broux House, 55-56; teacher elem, grades, New Lincoln Sch, 56-59; Am. Sch. Mexico City, 59-60; res. asst. child develop, to Dr. Erich Fromm, 60-62; instr. ed, N.Y. Univ, 62-66, asst. prof, 66-69; RES. ASSOC. ED. ANTHROP, ED. STUDY CENTER, 69-Grant, Off. Ed. U.S. Dept. Health Ed. & Welfare, 66-67, 68; N.Y. Univ. Inst. grant, 68-69. Consult, Hoboken Bd. Ed, N.J, 67- Mem. steering cmt, Coun. Anthrop. & Ed, 69- Ed. Res. Asn; fel. Anthrop. Asn. Child development; curriculum theory and development; social foundations of education; cognitive development. Publ: Bilingual education for children of linguistic minorities, Am. Indigena, 68; A Chamula life, Nat. Hist, 68; co-auth, Cognitive style in rural and urban Mexico, Human Develop, 69. Address: 1000 Sixth St. S.W, Washington, D.C. 20024.

MODIGLIANI, DR. VITO, b. Rome, Italy, Aug. 28, 36; m. 66; c. 1. EXPERI-MENTAL PSYCHOLOGY. Dr. Physics, Rome, 60; Ph.D.(psychol), Wayne State, 69. Res. assoc. nuclear physics, Ital. Nat. Cmt. Nuclear Energy, 61-63; Texas, Austin, 64; asst, part-time, Wayne State, 65-69, ASST. PROF. PSYCHOL, WESLEYAN, 69- Cognitive processes. Publ: Co.auth, Response meaningfulness in paired associates, 67, Conservation of meaning as a factor in forgetting new associations, 69 & auth, Evaded of meaning relating thorndike-Lorge frequency and m to learning, 69, J. Exp. Psychol. Address: Dept. of Psychology, Wesleyan University, Middletown, Conn. 06457.

MODRICK, DR. JOHN A(NTHONY). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Scientist, 69-, Applied Science Associates, Inc. Box 158, Valencia, Pa. 18659.

MOE, PROF. EDWARD O(WEN). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Exec. dir, 58-, Division of Community & Urban Development, University of Utah, P.O. Box 200, Salt Lake City, Utah 94110.

MOE, DR. RONALD C, b. San Diego, Calif, May 28, 37; m. 62; c. 2. POLITICAL SCIENCE. B.A. Claremont Men's Col., 59; M.A. Columbia, 62, Ph.D. (polts. cs), 68. Lectr. POLIT. SCI, Rugeres, 65-66; City Univ. New York, 66-67; ASST. PROF, SAN DIEGO STATE COL, 67. Lectr. Columbia, 66-67. Res. consult, Republican Nat. Cmt, 60. Intel. C, U.S.A, 59-66, Capt. Acad. Polit. Sci; Polit. Sci. Asn. Legislative process; public administration; political parties. Publ: Co-auth, American government and politics: selected readings, C.E. Merrill, 70; auth, The New York constitutional convention of 1915, Proc. Acad. Polit. Sci. 1/67; co-auth, Congress as policymaker: a necessary reappraisal, Polit. Sci. Quart, 9/70. Address: 6808 Bonnie View Dr., San Diego, Calif. 92119.

MOECKEL, DEAN BILL R, b. Pekin, Ill, Sept. 2, 25; m. 46; c. 3. MANAGE-MENT. B.S, Illinois, 48, M.S, 49, fel, 51-53, Ph.D.(bus), 53. Asst. sch. journalism, Illinois, 49; instr. mkt, Missouri, 49-51; asst. prof. bus. admin. Ga. State Col. Bus. Admin, 53-54; assoc. prof. & assoc. dean, Ohio State, 54-67; DEAN, SCH. BUS. ADMIN, MIAMI (OHIO), 67- Mem, Columbus Chamber Commerce Res. & Develop. Cmt, 63-65; adv. coun, Aerospace Res. Appln. Center, 64-66. U.S. Air Force citation, 60. U.S.A, 43-46, S/Sgt. Acad. Mgt. Address: School of Business Administration, Miami University, Oxford, Ohio 45056.

MOERK, DR. ERNST, b. Gallbrunn, Austria, Mar. 10, 37. PSYCHOLOGY. Ph.D. (psychol), Innsbruck, 64. Staff psychologist, Infratest, 64-65; Landeskrankenhaus Heiligenhafer, 65-66; fers. fel. clin. psychol, Mt. Sinai Hosp. 66-67; ASST. PROF. DEVELOP. PSYCHOL, FRESNO STATE COL, 67. Psycholo. Asn. Psycholinguistics; developmental psychology; problems of the culturally deprived child. Publ: Quantitative analysis of writing styles, J. Ling, 11/70. Address. Dept. of Psychology, Fresno State College, Fresno. Calif. 93726.

MOFFETT, DR. WILLIAM ANDREW. British History. See 5th ed. Dir. Am. Scholars, Vol. I, Hist.

MOFIELD, DR. WILLIAM RAY, b. Hardin, Ky. July 3, 21; m. 53; c. 1.
SPEECH, JOURNALISM. A.B. Murray State, 43; Northwestern, 45; Columbia Broadcasting Co. News fel. & M.A. Columbia, 58; Ph.D. (Speech),
Southern Illinois, 64; LL.D, Magic Valley Christian Col, Idaho, 62. Teacher
high sch, III, 44-45; mp. broadcasting, WPAD-AM-FM, Paducah, Ky. 4559; teacher-dir, Southern Illinois, 59-64; asst. to pres. admin, MURRAY
STATE, 64-68, CHMN. DEPT. COMMUN. 68- Consult, Elem. Sec. Ed. Act.,
66- U.S.N.R., 42-43. Speech Asn. Am; Asn. Ed. Journalism. Broadcast
audience surveys; published brochures; economic development. Publ: FM
capital of the world, Young, 49; Development of an area by tourism. Ky.
Dept. Parks, 65; Beaton's big singing, Maytield Messenger Co, 69. Address:
Dept. of Communications, Murray State University, Murray, Ky. 42071.

MOHAMED, DR. HAROLD, b. Sloux Falls, S.Dak, Jan. 23, 32; m. 61; c. 3. URBAN & TRANSPORTATION GEOGRAPHY. B.S. Indiana State, 57: Transportation Center fel, Northwestern, 57-58, M.S. §8, Ph.D. (geogl), 67. Catog. asst, Off. Naval Res. study, 58-59; instr. geog. Elmburst Co., 60-64, asst, rof. & chmm. dept. 64-67; asscop. prof. geog. did: nistnl. nes, NORTHERAST, ILL. STATE COL., 67-70, ASSOC. PROF. GEOG. & ASST. V. PRES. ADMIN. AFFAIRS, 70-6. Kroger. Co. study, 58-59; leaching asst, Northwestern, 58-61; Fair Store Corp. at Old Orchard study, 60-61. Asn. Am. Geog; Pop. Coun. Am. Asn. Instnl. Res. Research on present-day housing patterns and projection for the future for the city of Elmhurst, Illinois. Publ; Co-auth, The Beloit study, a study of enrollment trends, building needs, 62 & A re-study of the population and enrollment trends and building needs, 62 & A re-study of the population and enrollment trends in Bloom Township high school district, 62, Northwestern Univ. Ed. Consult. Serv. Address: Northeastern Illinois State College, 5500 N. St. Louis Ave, Chicago, Ill. 60625.

MOIR, JOHN BROWNLEE, b. Detroit, Mich, July 25, 25; m. 58; c. 2. CLINICAL PSYCHOLOGY, SOCIOLOGY. B. S. Wayne, 51, M. A, 53; Purdue, 62. Res. assoc. psychol, Wayne, 53-54; CLIN. PSYCHOLOGIST, Wayne County Clin. Child Study, Mich, 54-56; Beatty Mem. Hosp, Westville, Ind, 56-61; SOUTH OAK-LAND CHILD GUID. CLIN, 61-; DIR. PSYCHOL. DEPT, NORTHYILLE STATE HOSP, MICH, 61- U.S.N, 43-45. Psychol. Asn. Alcoholism; juvenile delinquency; emotional factors in learning, especially physiological aspects of emotion and learning. Publ: Co-auth, Study of teenagers arrested for drunkenness, Quart. J. Study Alcoholism, Factor's linked to success in counseling homeless alcoholics & Comparison of assaultive and heavy drinking adolescents. Address: 15912 Rosemont Rd, Detroit, Mich. 48223.

MOL, PROF. JOHANNIS J, b. Rozenburg, Holland, Feb. 14, 22; U.S. citizen; m. 53; c. 4. SOCIOLOGY, RELIGION. B.D. Union Theol. Sem, 55; M.A. Columbia, 56, Ph.D.(sociol), 60. Lectr. sociol, Canterbury, 61-63; fel, Australian Nat. Univ, 63-70; PROF. SOCIOL. OF RELIG, McMASTER, 70-Del. for Australia, Coun. Int. Sociol. Asn, 66:; chmn. sect. relig. res, World Cong. Sociol, Varna, Bulgaria, 70. Sociol. Asn. Australia & N.Z.(secy-treas, 63-69). Race relations; immigrant adjustment; sociology of religion. Publ: The breaking of traditions, Glendessary, 68; Christianity in chains, 69 & Religion in Australia, 70, Nelson. Address: Dept. of Religion, McMaster University, Hamilton, Ont, Can.

MOLAND, PROF. JOHN, JR. Sociology, Psychology. See L.-Z Vol. 11th ed., Soc. & Behav. Vols. New position & address: Chmn. dept. sociol. & dir, 69-, Center for Social Research, Southern University, P.O. Box 9981, Baton Rouge, La. 70813.

MOLISH, DR. H(ERMAN) B(ARRY). Clinical Psychology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Chief psychol. serv, Tex. Children's Hosp, 68- & assoc. prof. pediat. psychol, Baylor Med. Sch, 68- Address: 6621 Fannin St, Houston, Tex. 77025.

MOLITOR, SISTER MARGARET ANNE, R.S.M, b. Millord, Ohio, Sept. 19, 20. SOCIOLOGY. B.A, Edgecliff Col, 42; M.Ed, Xavier, 50; M.A, Catholic Univ, 63, Ph.D. (sociol), 67. Teacher, elem. 6. sec. sch, Archdioces of Cincinnati, 43-53; Mother of Mercy High Sch, 54-60; instr. SOCIOL, EDGECLIFF COL, 62-63, asst. prof, 66-69, PROF, 69- Sociol Asn. Dropouts from religious communities; religious life and government. Address: Dept. of Sociology, Edgecliff College, Cincinnati, Ohio 45206.

MOLLOY, DR. JOHN D, b. Cincinnati, Ohio, Jan. 1, 31; m. 59; c. 2. POLITICAL SCIENCE. A.B. Cincinnati, 53, M.A. 56, Ph.D. (polit, sci), 59. Instr. polit, sci, Marquette, 59-61; from asst: prof. to assoc. prof, Our Lady of Cincinnati Col. 61-66: ASST PROF. SOC. SCI, MICH. STATE, 66. From vis. asst. prof. to assoc. prof. Cincinnati, summers, 61-66 Polit. Sci. Ass.; Soc. Pub. Admin. Government and the press; role of free press; legal problems of government.press in American democracy. Address; 514 Gainsborough Dr. East Lansing, Mich. 48823.

MOLOF, DR. MARTIN JOSEPH. Psychology. See L-2 Vol, 11th ed, Soc. & Behav. Vols. New position: Sr. res. psychologist, Mentec Corp, Los Angeles, 70- Address: 2120 Fourin St, Santa Monica, Calif. 9405.

MOLOTCH, DR. HARVEY LUSKIN, b. Baltimore, Md, Jan. 3, 40; m. 64; c. 1. SOCIOLOGY. Marshall Field fel, Chicago, 64, Lingle fel, 65-66, M.A, 66, Nat. Inst. Ment. Health fel, 66-67, Ph.D. (sociol), 68. ASST. PROF. SOCIOL, CALIFORNIA, SANTA BARBARA, 67. Faculty res. grant, California, Santa Barbara, 69-69, summer faculty fel, 68. Consult, Calif. State Dept. Ment. Health, spring 69; coord. coun, West Side San Joaquin Valley Studies, 69-U.S.A, 61-62. Sociol. Asn. Urban ecology; public policy formation; mass media. Publ: Racial change in a stable community, Am. J. Sociol, 11/69; Ractal integration in a transition community, Am. Sociol. Rev, 12/69, Oil in Santa Barbara and power in America, Sociol. Inquiry, 1/70. Address: Dept. of Sociology, University of California, Santa Barbara, Calif. 93106.

MONAT, PROF. WILLIAM ROBERT. Political Science, Public Administration. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn, 69-, Dept. of Political Science, Northern Illinois University, DeKalb, Ill. 60115.

MONMONIER. DR. MARK STEPHEN, b. Baltimore, Md. Feb. 2, 43; m. 65. GEOGRAPHY. B. A. Hopkins, 64; Maryland, 64-65; Nat. Defense Ed. Act fel, Pa. State, 65-68, M.S. 67. Ph. D. (geogl, 69. ASST. PROF. GEOG. Rhode Island, 69-70; STATE UNIV. N.Y. ALBANY, 70- Asn. Am. Geog; Am. Geog. Soc: Regional Sci. Asn. Rural Sociol. Soc. Automated map analysis and computer mapping: spatial components of crop production, farm mechanization and rural health care. Publ: Co-auth, Surface area from contour maps, Photogrammetric Eng. 66: auth. Computer mapping with the digital increment plotter. Prfnl. Geographer, 68: Trends in upland accordance in Pennsylvania's ridge and valley section, Proc. Pa. Acad. Sci. 68. Address: Dept. of Geography, State University of New York at Albany, 1400 Washington Ave, Albany, N.Y. 12203.

MONROE, DR KENTON L, b. Wellington, Kans, July 31, 33; m. 57; c. 5. PSYCHOLOGY. B.A. Oregon, 59; Nat. Inst. Ment. Health fel, Purdue, 59-60, M.S. 62, Ph.D.(elin, psychol), 63. Vet. Admin. Trainee clin, psychologist, Vet. Admin. Hosp, 63-64; coord. hosp. improv. proj. Modesto State Hosp, Calif., 64-65; counsr. & assoc. dean, CALIF. STATE COL. SAN BERNARDINO, 65-66. ASSOC. PROF. PSYCHOL. & DEAN STUDENTS, 66. Instr. exten. center, Purdue, 62. U.S.A. 53-56. Sgt. Student personnel in higher education; clinical psychology. Publ. Note on the estimation of the WAIS full scale [Q., J. Clin. Psychol., 66. Address: Dept. of Psychology, California State College, 5500 State College Psyc., San Bernardino, Calif. 29407.

MONSMA, DR. GEORGE NORMAN, JR, b. Washington, D.C., Oct. 6, 41. ECONOMICS. A. B., Calvin Col, 63; Kidder-Peabody & Co. fel, Princeton, 63-64. Earhart Found, fel, 64-65, M.A., 65; Ph.D. Iccon), 69. Instr. ECON, Princeton, 66-67; ASST. PROF, Amherst Col, 67-69; CALVIN COL, 69-Econ. Asn. Health and labor economics; poverty; public finance. Publ: Marginal revenue and the demand for physician's services, In: Empirical studies in health economics, Johns Hopkins, 70; Vested interests survive another round, Reformed J, 4/70. Address: Dept. of Economics, Calvin College, Grand Rapids, Mich. 49506.

MONTAGNA, DR. PAUL D, b. Springfield, Mass, Aug. 14, 36; m. 62; c. 2. SOCIOLOGY. B.S, Am. Int. Col., 58; M.B.A, Syracuse, 69; Nat. Sci. Found. grant, N.Y. Unity, 65, Ph.D.(sociol), 67. Off. mgr. inspection div, Port of New York Authority, 60-62; instr. sociol, BROOKLYN COL, 66-68, ASST. PROF. SCOLOL. & DEPUTY CHMN. SCH. GEN. STUDIES, 68-Sociol. Asnj. Soc. Study Social Probs. Economic sociology; the sociology of organizations, study of work and occupations. Publ: Professionalization and bureaucratization, Am. J. Sociol. 9/68. Address: Dept. of Sociology, Brooklyn College, Brooklyn, N.Y. 11210.

MONTAGUE, PROF. JOHN TAIT. Labor Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Economics, York University, Toronto, Ont, Can.

MONTAVON, DR. PAUL A(LOYSIUS). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Econ. adv, 69-, U.S. Agency for International Development, ROCAP/Guatemala, APO New York 08931.

MONTGOMERY, BETTY B(ROYLES). Child Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Adj. asst. prof. & head start regional training officer, 69-, University of Cincinnati, Room 408D T.C, Cincinnati, Ohio 45221.

MONTGOMERY, LT. COMDR, CLARENCE WILFRED, R.C.N, b. Stratford, Ont, Oct. 12, 20; m. 42; c. 6. MATHEMATICS. B.A, Queen's (Ont), 49, M.A. British Columbia, 48. ROYAL CAN. NAVY, 49-, resident staff officer, cade training, Univ. British Columbia, 61-63, ASSOC. PROF. MATH, ROYAL ROADS MIL. COL, 63- R.C.A.F., 41-45. Math. Asn. Am. Applicability of

new mathematics in teaching both elementary and secondary; use of overhead projection in classroom. Address: Dept. of Mathematics, Royal Roads Military College, Victoria, B.C, Can.

MONTGOMERY, DR. JAMES B, b. Toledo, Ohio, Nov. 25, 38; m. 65. AC-COUNTING. B.S, Miami (Ohio), 58; univ. (el., Florida, 61-62, M.B.A, 62, Earhard Found. fel, 62-63. Ph.D. [econ.), 65. Involce auditor, Chevrolet Div, Gen. Motors Corp. 57; jr. auditor, Ernst & Ernst, 58; from jr. mem. to sr. mem. auditor staff, Arthur Anderson & Co. Ill., 58-60; teaching asst, Florida, 60-61, interim instr, 62-64; asst, prof. ACCT, FLORIDA ATLANTIC, 64-67, ASSOC. PROF. & CHMN. DEPT, 67-Consult, Paim Beach Resources Develop. Bd, 66; Center Adv. Admin. Res, 57; Certified Pub. Accts. Rev. Courses, 67-69; Eastern Airline, 68. Inst. Cert. Pub. Acct; Acct. Asn. Publ; The unique economy of Sarasota, Florida, Econ. Leaflets, 11/64; Cost accounting and the CPA examination, Fla. Cert. Pub. Acct; Acct. Address: Dept. of Accounting, College of Business Administration, Florida Atlantic University, Boca Raton, Fla. 2342.

MONTGOMERY, PROF. JAMES E(LMER). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also head, 68-, Dept. Management, Housing & Family Development, College of Home Economics, Virginia Polytechnic Institute, Blacksburg, Va. 24061.

MONTGOMERY, DR. JOHN D(ICKEY). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 36 Hyde Ave, Newton, Mass. 02158.

MONTGOMERY, PROF. JOHN WARWICK. Theology, Philosophy of History. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

MONTCOMERY, DR. LOLA JUNE, b. Larkinburg, Kans, June 16, 17. COUN-SELING & GUIDANCE, SOCIAL SCIENCE. A.B., Kansas, 41; summer, Chicago, 43; M.A., Colo. State Col., 43; Ed.D. (student personnel admin), Colorado, 58. Feacher, rural sch, Kans, 53-37; instr., high sch, 41-43; soc. & biol. sci, Pueblo 3r. Col., Colo, 44-45; dean of women, Mayville State Col., 45-46; counsr, Phillips, 48, dir. student personnel, 51-63; ASSOC. PROF. PSYCHOL, COUNSELING & GUID, COLO. STATE COL., 63- Psychol. Asn; Personnel & Guid. Asn. Action-research in psychological counseling and curricular developments in education. Publ: The challenge of the integrative quest, Relig. Ed., 3-4/65; The affective development of college students a case study of students of one university, Colo. J. Ed. Res, summer 69. Address: Dept. of Psychology, Counseling & Guidance, Colorado State College, Greeley, Colo. 80631.

MONTICONE, PROF. RONALD CHARLES. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Government, Queensborough Community College, Springfield Blvd, Bayside, N.Y. 11364.

MOONAN, DR. WILLIAM J(EANE). Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: V.pres. prog. develop, 69-, National Computer Systems, 4401 W. 76th St, Edina, Minn. 55435.

MOONEY, DR. H(ORACE) WILLIAM. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Independent consult, 89- Address: 1537 Bonita Ave, Berkeley, Calif. 94709.

MOOR, DR. WILLIAM C(HATTLE). Industrial Engineering, Organization Theory. See Suppl. VI to 11th ed. Phys. & Biol. Vols.

MOORE, PROF. CHARLES THOMAS. Business Administration, Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also asst. v.pres. acad. affairs & progs, 69-, University of Alabama, P.O. Box 6291, University, Ala. 35486.

MOORE, DR. DAVID SHELDON. Mathematics, Statistics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

MOORE, PROF. DONALD A. Economics. See L.-Z Vol., 11th ed., Soc. & Behav. Vols. New information: Also chmn, Dept. of Economics, California State College at Los Angeles, 515 State College Dr., Los Angeles, Calif.

MOORE, DR. F. STANLEY. Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Geography, West-ern Washington State College, Bellingham, Wash. 98225.

MOORE, DR. FRANK J. b. Frankfurt, Germany, Mar. 3, 22; U.S. citizen: m. 66; c. 2. EDUCATION. ECONOMICS. B.S. California, Davis, 43, A. B. California, Berkeley, 44, Ph.D. (E. Astatic Studies), 55; M.A. Hopkins, 50. Assoc. dir. Thailand proj. Cornell, 55-56; Pord Found. for. area res. fel. rural develop, Nepal, 56-57; land tenure adv. Agency Int. Develop, Tehran, 58-60; prog. specialist develop. planming, Ford Found, Lagos, 60-66, asst. rep. Bangkoi, 66-68, LECTR. DEVELOP. ED. STANFORD, 68-Consult, World Bank Mission Algeria, 66; guest lectr., conf. Venezuelan ed. in year 2000, Creole Found, 69. U.S.A. Res, 1st Li. Int. Asn. Agr. Econ; Comp. Ed. Soc; Asn. Asian Studies; African Studies Asn. Process of rural modernization, particularly the role of education in the process of rural to urban transformation; subculture of the rural teacher in developing countries. Publ: Co-acuth, Politics of land tenure legislation in Uttar Pradesh, S. Asia Studies, Univ. Calif, 55, Thailand, Human Rels. Area Files, 56 & Prospects and policies for development of the eastern region of Nigeria, Nigerian Govt, Enugu, 80. Address: 5872 Arboretum Dr, Los Altos, Calif. 94022.

MOORE, DR G. ALEXANDER, JR. Anthropology, Ethnology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Anthropology, College of Arts & Sciences, University of Florida, Gainesville, Fla. 32601.

MOORE, DR. GEOFFREY H. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Cmnr. labor statist, U.S. Bur. Labor Statist, 69-Address: 2700 Virginia Ave. N.W. Washington, D.C. 20037.

- MOORE, H(AROLD) J(AMES). Economics, Finance. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. econ. planning & develop, Dow Chemical Co, 69- Address: 600 Chatham Dr, Midland, Mich. 48640.
- MOORE, HARRIETT. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Independent consult, 69- Address: 11 Lupine Lane, Chesterton, Ind. 46304.
- MOORE, PROF. HARVEY C(LEAVER). Anthropology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also assoc. dean grad. progs, 70-, College of Arts & Sciences, American University, Washington, D.C. 20016.
- MOORE, PROF. H(OMER) K(ENTON). Psychology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New information: Also head dept. of psychol, Ark. Agr. & Mech. Col., 68- Address: Box 553, College Heights, Ark. 71655.
- MOORE, DR. JAMES C, b. Montrose, Colo, July 3, 35; m. 57; c. 2. EDUCA-TIONAL PSYCHOLOGY. B.A. Arizona State, 59, M.A. 61, Ph.D. (ed. psychol), 66. Univ. psychometrist, Arizona State, 62-64; ASSOC. PROF. ED. FOUNDS. & DIR. TESTING DIV. NEW MEXICO, 66. Vis. staff mem. Los Alamos Sci. Lab, 68. Consult. res. & develop. orgns, 64. U.S.A. 55-57. Psychol. Asn; Ed. Res. Asn. Nat. Coun. Measurement in Ed. The application of psychological principles to classroom instruction and curriculum development. Publ: Co-auth, A self-instructional technique to develop a test-taking strategy. Am. Ed. Res. J., 66; auth, Manipulating the effective-ness of a self-instructional program, J. Ed. Psychol, 68; Cueing for selective note-taking, J. Exp. Ed., 68 Address: Testing Division, University, of New Mexico, Albuquerque, N.Mex. 87106.
- MOORE, DR. JAMES E, b. Brazil, Ind, Mar. 24, 34; m. 66; c. 1. DEVELOP-MENTAL PSYCHOLOGY. B.S, Illinois, 59, M.A, 62; Ph.D.(child develop), Purdue, 65. Instr. family rels, Illinois, 60-62, lectr. child develop, summer 66; asst. prof. child develop, Syracuse, 64-66; lectr. family rels, Minnesota, summer 67; ASST. PROF. CHILD DEVELOP, PURDUE, 67- Nat. Inst. Ment. Health fel, Family Studies Center, Univ. Minnesota, 66-67. U.S.A.F., 54-65. Soc. Res. Child Develop, Nat. Coun. Family Rels. Developmental changes in marriage behavior; human sexual behavior. Publ. Problematic sexual behavior, in: The individual, sex., and society, Johns Hopkins, 68. Address: Dept. of Family Life, Purdue University, Lafayette, Ind. 47907.
- MOORE, DR. JAMES MAXWELL. Modern European & Latin American History. See 5th ed, Dir. Am. Scholars, Vol. 1, Hist.
- MOORE, PROF. JOHN NORTON. Law, International Relations. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- MOORE, PROF. JOSEPH E(RNEST). Applied Psychology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Consult, spychologist, Consult. Psychologists, Inc, 65- Address: 4406 Jett Rd. N.W., Atlanta, Ga. 30327.
- MOORE, DR. MARY E(LIZABETH). Experimental & Social Psychology. See L-Z Vol, 1th ed, Soc. & Behav. Vols. New position: Fel. rheumatology, dept. med, Temple Univ. Hosp, 70-71. Address: 1605 W. Allegheny Ave, Philadelphia, Pa. 19132.
- MOORE, PROF. OMAR KHAYYAM. Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Clarifying Environments Lab, Social Sciences Bidg, Room GI, University of Pittsburgh, Pittsburgh, Par. 15213.
- MOORE, DR. RAYMOND S. Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Exec. v.pres. Cedar Springs Found, 69-; exec. cmt, Hewitt Res. Center, Andrews Univ, 70- Address: Tudor Rd. at Chapin Lane, Berrien Springs, Mich. 49104.
- MOORE, PROF. RICHTER H, JR. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Res. dir, 69-, Committee on the Office of Attorney General, National Association of Attorneys General, 320 W. Jones St, Raleigh, N.C. 27603.
- MOORE, PROF. SHIRLEY GRACE, b. Chicago, Ill, May 12, 22. CHILD PSY-CHOLOGY, EDUCATION. B. A. Chicago, 46: M.S. Iowa, 53. Ph.D. (child psychol), 60. Instr. & head teacher child psychol, 100, usa, 53-57, prin. lab. nursery sch, 57-60; asst. prof. child psychol, 100, usa, 53-57, prin. lab. nursery sch, 57-60; asst. prof. child psychol, MINNESOTA, MINNEAPOLIS, 60-62, assoc. prof. 62-65, PROF. CHILD PSYCHOL. & DIR. GRAD. TRAINING PROG. BEHAV. & DEVELOP, PRESCHOOL CHILDREN, INST. CHILD DEVELOP, 65. Field reader, bur. res., off. ed. U.S. Dept. Health, Ed. & Welfare, 66- Consult, prog. adv. serv. ed. & training, Am. Psychol. Asn, 67- Mem. study cmt, Proj. Head Start, div. eval. & res. U.S. Off. Econ. Opportunity, 66-67, mem. rev. panel, 68- Psychol. Asn, 50c. Res. Child Develop, World Orgn. Early Childhood Ed. Research in socialization of young children; peer acceptance in nursery school; effect of contrasting teaching styles in the nursery school. Publ. Displaced aggression in young children, J. Abnormal & Soc. Psychol, 64; Correlates of peer acceptance in nursery school children, in: The young child, Ax. Asn. Ed. Young Children, 67; The effects of explictiness of instructions on the generalization of a prohibition in young children, Child Develop, 69. Address: Institute of Child Development, University of Minnesota, Minneapolis, Minn. 58455.
- MOORHOUSE, PROF. WILLIAM F(ORBES). Counseling, Psychology. See L-2 Vol, 11th ed, Soc. & Behav. Vols. New position & address *Counselor & educator, Oakland University, P.O. Box 710, Rochester, Mich. 40063.
- MORAN, PROF. LOUIS J(OSEPH). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Psychology, University of British Columbia, Vancouver 8, B.C, Can.
- MORAN, DR. MAURICE J, b. Slayton, Minn, Feb. 9, 21. CLINICAL PSY-CHOLOGY. B.A, Col. St. Thomas, 47; M.A, Catholic Univ, 49, Ph.D.(psy-thol), 54. Asst. prof. clin. psychol, 5t. Louis, 53-56; asst. chief psycholo-

- gist, State Hosp. No. 1, Fulton, Mo. 56-58; chief psychologist, State Hosp. Willmar, Minn, 56-60; State Hosp, Fergus Falls, 60-61; psychologist, private practice, St. Paul, 61-63; chief psychologist, Minn. Reception & Diag. Center, Circle Pines, 63-69; PSYCHOLOGIST, VET. ADMIN. HOSP, ST. CLOUD, 69- Asst. prof, Missouri-Columbia, 65-68. Consult, Men's Reformatory, St. Cloud, 69- U.S.N.A. F, 42-46, Lt.(jg). Psychotherapy; group therapy; teaching; individual assessment. Address: Dept. of Psychology, Veterans Administration Hospital, St. Cloud, Minn. 56301.
- MORAVEC, ADOLPH F. Computer Sciences, Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: V.pres, 69-, World Research Corp, 36 S. State St, 16th Floor, Chicago, Ill. 60603.
- MORAWETZ, JOHN H. Economics, Statistics. See L-Z Vol. 11th ed. Soc. & Behav. Vols. Change of address: 15 Bellingham Lane, Great Neck, N.Y. 11023.
- MORDOCK, DR. JOHN B, JR, b. Cumberland, Md, Aug. 2, 38; m. 63; c. 1. PSYCHOLOGY. B.S. Springfield Col, 60; M.A. Illinois, 61; Nat. Sci. Found. summer fel, Hawaii, 64, Ph.D. (psychol), 67. Lectr. col. gen. studies, Hawaii, 63-65; Nat. Inst. Ment. Health fel, Devereux Found, 66-67; Coordinator res, Devereux Found, 61-67; Coordinator Raylor (Colling Centrella, 61-67); Coordinator Found, 61-67; Coordinator Found, 61-67
- MOREAU, GEORGE H, O.M.I, b. Salem, Mass, Jan. 12, 25. GUIDANCE. A.B. Oblate Col.(D.C), 51; M.A. Niagara, 55; Ph.D. (psychol), Ottawa, 62. Dir. guid, Bishop Fallon High Sch, 51-65; consult, guid. serv. Nat. Cath. Ed. Asn, 65-68; COORDINATOR PUPIL PERSONNEL SERV, BISHOP NEUMANN HIGH SCH, 68- Consult. career info, Peace Corps, 65- Pres, Nat. Cath. Guid. Conf. 62-64. Personnel & Guid. Asn. Publi: Co-auth, Guidance awareness in elementary education, 67 & Guidance and other personnel services in the Catholic secondary school, 68, Nat. Cath. Ed. Asn. Address: Bishop Neumann High School, Park Club Lane, Williamsville, N.Y. 14221.
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 Sci. Asn; Acad. Polit. Sci; Law & Society Asn. American constitutional law
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Soc. Security Admin, 58-63; SUPV. ECONOMIST, SMALL BUS. ADMIN,
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Taxation and government finance; fiscal and financial economics. Publ:
Co-auth, State liquor monopoly or private licensing?, Ky, Legis. Coun, 42 &
Taxation of manufacturing in the South, Univ. Ala, 48; auth, State constitutional limitations on the taxing authority of state legislatures, Nat. Tax J,
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- MOTHERWELL, DR. GEORGE McCORMICK. English Language, General Linguistics. See 5th ed. Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.
- MOTIFF, DR. JAMES P(ETER), b. Green Bay, Wis, Sept. 3, 43. EXPERI-MENTAL PSYCHOLOGY. B.S. St. Norbert Col. 65; Nat. Defense Ed. Act fel. South Dakota, 65-66, M.A. 67, U.S. Pub. Health Serv. traine-6 Ph.D. (psychol), 69. ASST. PROF. PSYCHOL, HOPE COL. 69- Int. Primatol. Soc. Experimental psychology; physiological-comparative psychology; animal behavior, especially primates; form perception. Address: Dept. of Psychology, Hope College, Holland, Mich. 49423.
- MOTLEY, DR. BRIAN, b. London, Eng., Apr. 3, 36; m. 61; c. 1. ECONOMICS. B.A. Nottingham, 57; Ph.D. (econ), California, Berkeley, 68. ASST. PROF. ECON. WISCONSD, MADISON, 67: Sig.C, Brit. Army, 57:59. Econ. Asn; Economet. Soc. Household behavior; capital theory; education economics. Publ.: Consumer investment, expectations and transitory income, West. Econ. J, 9/69; The consumer's demand for money; a neoclassical approach, J. Polit. Econ. 9/69. Address: Dept. of Economics, University of Wisconsin, Madison, Wis. 53706.
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 Col., 92-53; Pertland State Col., 35-45; asst. prof. Oregon, 34-55; assoc.
 prof. Portland State, 55-63; PROF. Temple Buell Col. 64-69; MANSFIELD
 STATE COL., 69. Fulbright prof. Jadaspur & Osmania Univa, India, 58-60;
 res. grant. grad. sch. int. studies, Denver. 65; Am. Polit. Sci. Asn. cong.
 fel, 65-66. Polit. Sci. Ass.; Int. Studies Asn. Soviet education, especially
 in the period between 1917-1937. Publ: Contrib. Soviet society: a book of
 readings, Houghton, 61: auth, The thaw in Soviet views of the West, The
 Progressive, 4/67; The Soviet quest for respectability, Rocky Mt. Soc. Sci.
 J. 10/66. Address: Dept. of Political Science, Mansfield State College,
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- MOUNT, DR. TIMOTHY DOUGLAS, b. Maidstone, Eng. Dec. 16, 41; m. 67. AGRICULTURAL ECONOMICS, ECONOMETRICS. B.S., London, 63; M.S., Oregon State, 64; M.A., California, Berkeley, 67, Ph.D. (agr. econ., 70. ASST PROF. AGR. ECON, CORNELL, 69- Econ. Asn. Economet. Soc; Statist. Asn.; Agr. Econ. Asn. Econometric applications to production theory at the firm level, especially investment and technical change. Address: Dept. of Agricultural Economics, New York State College of Agriculture, Cornell University, Ithaca, NY, 14850.
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- MUELLER, DR. DONALD J, b. Milwaukee, Wis, Jan. 29, 34; m. 55; c. 3. PSYCHOLOGY, SOCIAL WELFARE. B.S. Wisconsin, 58; M.A. Nevada, 59; Ph.D. (psychol), Utah, 65. Psychologist, Wis. Div. Corrections, 65-66; ASST PROF. PSYCHOL, WISCONSIN-MILWAUKEE, 66- U.S.A., 55-57. Psychol. Asm, Asn. Adv. Behav. Ther. Human learning; behavior modification and therapy. Address: Dept. of Psychology, Oolege of Letters & Science, University of Wisconsin-Milwaukee, Wiss. 53201.
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64-65. Ed, Nipa Reporter, Pakistan, 62-64. Soc. Pub. Admin; Polit. Sci.
Asn. Developmental administration including appraisal of national administrative
capabilities for development; strategies and tactics of administrative
change. Publ: Public administration in Pakistan, in: Public administration
in South and Southeast Asia, IAS, Brussels, 65; Public budgeting in Pakistan,
In: Financial mgt. Pakistan, Nipa, LaHore, 87. Address: 49 Brentwood Dr,
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MULLENDORE, DR. WALTER EDWARD, b. Harrah, Okla, Apr. 22, 40; m. 63; c. 3. ECONOMICS, URBAN & REGIONAL PLANNING. B.S, Okla. State, 61, M.S., 63; Ph.D. (econ), lowa State, 66. Res. assoc. ECON, lowa State, 67-68; ASST. PROF, TEXAS, ARLINGTON, 68- Div. Planning Coord. State of Tex. grant, 69- U.S.A, 63-65. Econ. Asn. Teaching and research activities related to urban-regional economics; metropolitan planning, especially economic and demographic projections. Publ. A review of central lowa's governmental units, people and economy, Cent. lowa Regional Planning Proc. Am. Real Estate & Urban Econ. Asn. 69- Address: Dept. of Economics, University of Texas at Arlington, Arlington, Tex. 76010.

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sulting psychologist, State of Mich, 67-; consult, Coun. Grad. Schs. U.S., 68-. Mem, Ecumenical Cmn. Archdiocese Detroit, 66-68; chmn. psychol. div, Mich. Acad. Arts, Sci. & Letters, 67-68. Psychol. Asn. The teaching and practice of psychotherapy and the development of a doctoral program to further these interests and the philosophy of science. Address: 5230 Doherty Dr., Orchard Lake, Mich. 48033.

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MULLIGAN, DR. BENJAMIN EDWARD. Sensory Psychology. See 12th ed, Phys. & Biol. Vols.

MULLIN, DEAN GAIL E(DWARD). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. econ. & dean, 69-, College of Business Administration, Kent State University, Kent, Ohio 44240.

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MUNCIE, PROF. JOHN G. United States History. See Suppl. I to 5th ed, Dir. Am. Scholars.

MUNNS, DR. LAWRENCE KAY, b. Walla Walla, Wash, Feb. 29, 40; m. 64. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. B.A. Washington State, 62; Woodrow Wilson fel. & M.A., Chicago, 65; Ph.J. (polit. sei), California, Berkeley, 70. Mgt. intern, U.S. Dept. Labor, 64-65; ASST. PROF. POLIT. SCI, GOUCHER COLL, 68- Polit. 5ci. Ass. Soc. Pub. Admin. Innovation in public bureaucracy; power and professionalism in bureaucracy; pluralist political theory. Address: Dept. of Political Science, Goucher College, Baltimore, Md. 21204.

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MUNSINGER, DR. GARY M. b. Wichita, Kans, Mar. 9, 37; m. 60. BUSINESS ADMINISTRATION, MARKETING. B.S, Kansas State Col. Pittsburg, 59; M.B.A, Arkansas, 60, Ph.D. Chimth, 64. Instr. mkt. & econ, Arkansas, 60-63; asst. prof, ARIZONA, 63-67, ASSCC. PROF. MKT. & MGT, 67-, ASSCC. DEAN, 70-, asst. dean, 67-70. Consult, various private bus. org., 64-; travel serv, U.S. Dept. Commerce, 66-Mkt. Asn; Psychol. Asn; inst. Decision Sci; Coun. Consumer Interests. Quantitative methods of decision making and behavioral sciences as applied to consumptive and business decision making. Publ: Co-auth, A model for allocating revenue responsibility, Revista Internazionale di Scienze Economiche & Commerciali, 10/67 & The regrouping process in the United States and the Soviet Union, Univ. Washington Bus. Rev; auth, A systematic approach to decision making, Arlz. Rev, 11/68. Address: 1220 Camino de los Padres, Tucson, Ariz. 85718.

MUNSON, DR. FRED CALEB. Economics, Industrial Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: School of Public Health, University of Michigan, Ann Arbor, Mich. 48107.

MUNSTER, PROF. RALF F(RIEDRICH) W(ILLIAM). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

MURDOCH, DR. PETER (HORST) (JAMMERS), b. Krefeld, Germany, Nov. 30, 38; m. 66. SOCIAL PSYCHOLOGY. B.S. Eardley traveling scholar & Martin scholar, Manchester. 61; M.A. & Ph.D. (psychol), North Carolina, Chapel Hill, 65. Instr. psychol. & res. asst, North Carolina, Chapel Hill, 61-65; asst. prof. psychol, lowa, 65-69; RES. PSYCHOLOGIST, SMITH RICHARD-SON FOUND, INC, 69- Res. asst, San Diego State Col, summer 63; vis. lectr, Grinnell Col, 66; U.S. Pub. Health Serv. grant, 68-69; add. association, Carolina, Chapel Hill, 69- Consult, Int. Asn. Students Econ. & Commercial Sci, 69- Psychol. Asn; Soc. Exchange theory; social interaction, development of leadership and creativity; response dispositions; personality factors in social behavior; innovations in teaching. Publ: Development of contractual norms in a dyad, J. Personality & Soc. Psychol, 67; Effectiveness of learning from a programmed text compared with a conventional text covering the same material, J. Ed. Psychol, 68; Birth order and affiliation,

- Brit. J. Soc. & Clin. Psychol, 69. Address: Smith Richardson Foundation, Inc, Piedmont Bldg, P.O. Box 3265, Greensboro, N.C. 27402.
- MURFIN, DR. F. LEROY, b. Newton Hamilton, Pa, Mar. 4, 27; m. 52; c. 3. PSYCHOLOGY. B.A, Iowa, 50, M.A, 52, Ph.D.(psychol), 54. Res. assoc, Am. Inst. for Res, 53–55; soc. scientist, Rand Corp, 55–56; men tech. staft, Space Tech. Labs, Inc, Ramo-Wooldridge Corp, Callif, 56–62; SR. DESIGN SPECIALIST, GOODYEAR AEROSPACE CORP, 62. U.S.N.R, 45–46. Psychol. Asn; Human Factors Soc. Human factors engineering; 1de support; training devices. Address: 86 W. Garwood, Tallmadee, Ohio 44278.
- MURPHEY, PROF. RHOADS, III. Human Geography. See L-Z Vol, 11th ed, 50c. & Behav. Vols. New information: Also dir, 69-, Center for Chinese Studies, University of Michigan, Lane Hall, Ann Arbor, Mich. 48104.
- MURPHY, DR. AUSTIN de la S(ALLE). Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Pres. & chief exec. officer, East River Savings Bank, 70- Address: 49 Brewster Rd, Scarsdale, N.Y. 10583.
- MURPHY, DR. GARDNER. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Psychology, George Washington University, Washington, D.C. 20006.
- MURPHY, DR. GEORGE E(ARL). Medicine. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- MURPHY, DR. HENRY C(LIFFORD). Economics. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 4201 Massachusetts Ave. N.W, Apt. 7064 W, Washington, D.C. 20016.
- MURPHY, DR. J. CLARENCE. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. sociol, 69-, University of Prince Edward Island, Charlottetown, P.E.J., Can.
- MURPHY, DEAN JOHN JOSEPH. Economics, Economic History. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also dean, 69-, Graduate School of Arts & Sciences, Catholic University of America, Washington, D.C. 20017.
- MURPHY, DR. LOIS B(ARCLAY). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 2810 Cortland Place N.W, Washington, D.C. 20008.
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- MURPHY, DR. MATTHEW J(DHN). Experimental and Applied Psychology. See L.Z Vol, 11th ed, Soc. & Behav. Vols. New position: Partner, 69-, Snyth & Murphy Associates, 176 Riverside Ave, Red Bank, N.J. 07701.
- MURPHY, PROF. RAYMOND E(DWARD). Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof. geog, grad. sch. geog, Clark, 68- Address: Westminster Rd, Princeton, Mass. 01541.
- MURPHY, PROF. ROBERT F(RANICS). Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Dept. of Anthropology, Columbia University, New York, N.Y. 10027.
- MURPHY, PROF. WALTER FRANCIS. Political Science. See L-Z Vol., 11th ed, Soc. & Behav. Vols. New position: McCormick prof. jurisp, 68-, Princeton University, Corwin Hall, Princeton, N.J. 08540.
- MURRA, DR. GENE E(LDEN). Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Agricultural Economics, Mississippi State University, P.O. Box 5187, State College, Miss. 39762.
- MURRAY, DR. BARBARA B, b. Detroit, Mich, Aug. 31, 33; m. 55; c. 2. ECO-NOMICS. B.S. Mich. State, 55; M.B.A. Detroit, 61; M.A. Wayne State, 64, Ph.D. (econ), 67. Asst. econ, Wayne State, 61-66; vis. prof. urban secon, sch. archit, DETROIT, summers 67 & 68, asst. prof. econ, UNIV, 67-69, ASSOC. PROF. ECON. & QUANT. METHODS, 70- Consult, planning coord, State of Mich, 66-67; Transportation & Land Use Study, Detroit, Mich, 68-69. Econ. Asn; Statist. Asn; Real Estate & Urban Econ. Asn; Indust. Rels. Res. Asn. Urban-regional economics; labor economics in urban labor markets; spatial distribution of income; forecasting in urban-regional markets. Publ: Metropolitan income inequality, 2/69 & Central city expenditures and outmigration, 11/69, Land Econ; The coefficient of interarea variation, J. Am. Statist. Asn. 6/70. Address: Dept. of Economics & Quantitative Methods, University of Detroit, Detroit, Mich. 48221.
- MURRAY, PROF. ELWOOD. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information; Emer. dir, Inst. Gen. Semantics, Univ. Denver, 69-; mem. prog. interdisciplinary res. conf. inst. Address: 2391 S. Clayton, Denver, Colo. 80210.
- MURRAY, DR. FRANK BRUSH. Educational Psychology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Educational Psychology Center, College of Education, University of Delaware, Newark, Del. 19711.
- MURRAY, DR. JOHN DENNIS, b. Lynn, Mass, Sept. 3, 39. SOCIOLOGY A.B, Merrimack Col, 61; M.A, Massachusetts, 64, Ph.D. (sociol), 69. ASST. PROF. SOCIOL, RUTGERS, CAMDEN, 69. Rutgers Univ. Res. Coun. fel. summer 70. Sociol. Asn. Social stratification; ethnic groups—assimilation. Publ. Co-ed, The professors: work and life style among academicians, Schenkman, (in press). Address: Dept. of Sociology, Rutgers, The State University, Camden, N.J. 06102.
- MURRAY, DR. MERRILL G(ARVER). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Route 1, Box 81C, Islamorado, Fla. 33036.

- MURRAY, DR. RICHARD W, b. Baton Rouge, La, Sept. 23, 40; m. 63, 66; c. 1. POLITICAL SCIENCE. B.A., La. State, 62, M.A., 63; Ph.D.(polit. sci), Minnesota, 67. Instr. POLIT. SCI, HOUSTON, 66-67, ASST. PROF, 67- Polit. Sci. Asm. Political parties in the United States. Address: Dept. of Political Science, University of Houston, Houston, Tex. 7700-4.
- MUSCARELLA, DR. OSCAR WHITE. Archaeology. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- MUSTO, DR. DAVID FRANKLIN. History & Social Sciences, American Science. See 5th ed. Dir. Am. Scholars. Vol. I. Hist.
- MUTHARD, PROF. JOHN E(DWARD). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also prof, 67-, Regional Rehabilitation Research Institute, University of Florida, Box 208 Health Center, Gainesville, Els. 23601
- MYATT, PROF. W(ILFRED) G(ERVAIS). Geography. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof, Oregon State, 69- Address: 19004 S.E. Clinton, Gresham, Ore. 97030.
- MYERS, DR. BUDDY L, b. Parkersburg, W.Va, Aug. 24, 32; m. 69; c. 1.
 MANAGEMENT. B.S, W.Va. Inst. Tech, 56; London, 56-57; M.B.A, Pittsburgh, 62, Left, 62-64, Ph.D. (bus. admin), 66. Teacher bus, W.Va. Inst. Tech, 57-69, asst. acct, Pittsburgh, 60-62; asst. prof. MGT, Duquesne, 64-66; KENT STATE, 66-65, ASSOC. PROF. 68-U.A.F. 49-53; S/§gt. AAAS; Statist. Asn; Econ. Asn; Inst. Mgt. Sci. Development and use of mathematical models of processes of use to management in making decisions. Publ: Co-auth, Statistical functions: a source of practical derivations based on elementary mathematics, Kent State Univ, 70; co-auth, On the choice of risk levels in managerial decision-making, Mgt. Sci, 69 & A comparison of the planning of sales by two department store buyers, In: Management, Kent State University, Kent, Ohio 42420.
- MYERS, PRES. G(AIL) E(LDRIDGE). Speech. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- MYERS, DR. JOHN GRAHAM, b. Vancouver, B.C., July 22, 33; m. 63; c. 2. BUSINESS ADMINISTRATION. B.S.F, British Columbia, 54; M.B.A. Western Ontario, 58; M.A. Northwestern, 66, Ph.D. (mkt), 66. Product. mgr, Mac-Millan & Bloedel, 54-56; lectr. mkt. & int. bus, Western Ontario, 58-60; consult. MKT, Ford. Found, Cairo, U.A.R, 60; lectr. Northwestern, 62-64; asst. prof, CALIFORNIA, BERKELEY, 64-69, ASSOC. PROF, 69- Ford Found. res., grants, 65-70; partner, HWI Indo. Consult. Serv. Berkeley, 69-Mkt. Asn; Inst. Mgt. Sci; Sociol. Asn; Psychomet. Soc. Consumer motivation and behavior; advertising; marketing; psychometrics; computer simulation. Publ: Consumer image and attitude, Inst. Bus. & Econ. Res, 68; coauth, Decision-making and learning; a simulated marketing manager, Behav. Sci, 70 & Time-path types: from static to dynamic typologies, Mgt. Sci, 70. Address: Dept. of Marketing, Barrows Hall, University of California School of Business Administration, Berkeley, Calif. 94720.
- MYERS, DR. M(ARVIN) SCOTT. Industrial Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Vis. prol. orgn. psychol. & mgt, 69-, Sloan Sch. Mgt, Mass. Inst. Tech, 69- New Publ: Every employee a manager, McGraw, 70. Address: Sloan School of Management, Massachusetts Institute of Technology, 50 Memorial Dr, Cambridge, Mass. 20168.
- MYERS, PROF. MAX. Agricultural Economics. See Lt-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also dir, 69-, Institute of Social Sciences, South Dakota State University, Brookings, S.Dak. 57006.
- MYERS, DR. MICHELE T(OLELA), b. Rabat, Morocco, Sept. 25, 41; m. 68. SOCIOLOGY, COMMUNICATION. B.A. Paris, 62; M.A. Denver, 66, Ph.D. (commun), 67. Asst. to mkt. dir, Thomson Houston, Paris, France, 62-64; teaching asst. speech & commun, Denver, 65-67; ASST. PROF, Manchester Col., 67-68; SPECH, COMMUN. & SOCIOL, MONTICELLO COL., 68- U.S. Off. Ed. grant, Cent. State Col. Asn, 67-68. Int. Commun. Asn; Speech Asn. Am; Inst. Gen. Semantics. Leadership; small group process; human relations; laboratory training. Publ: Co-auth, Subordinate ethos and leadership attitudes, Quart. J. Speech, 67, Effect of feedback upon interpersonal sensitivity in laboratory training groups, J. Appl. Behav. Sci, 69 & Group credibility and opinion change, J. Commun, 70. Address: The Evergreens, Monticello College, Godfrey, Ill. 62035.
- MYERS, PROF. ROBERT D. b. Covington, Ohio, Nov. 5, 08; m; c. 3. BUSI-NESS. B.A. Ohio State, 29, M.A. 31, Standard Oil of Ohio fel. & Ph.D. (busorgn), 54. Prof. BUS. ADMIN, W.V.a. Wesleyan Col. 30-32; part-time instr., Franklin, 39-42; PROF, TOLEDO, 46-, CHMN. DEPT. ADMIN. & PERSON-NEL, 54- Private law practice, 34-44. Mich. Consol. Gas fel, 56; dir. grad. Studies, col. bus. admin, Toledo, 59-61. Closing officer, Home Owners Loan Corp. 34; receiver, Mutual Savings & Loan, Ohio, 35; seev. to gov. Ohio, 36; hearing exam, Ohio Tax. Cmn, 37-39; exam, Aetra Life Ins. Co., 43-46; supvry. training faculty, Toledo Edison Co., 54-68. Inst. Indust. Eng; Acad. Mgf, Bus. Law Asn. Publ: Business Law Formbook, Univ. Toledo, 48; co-auth, College Business Law, Pitman, 60; Law as a tool of management, Adv. Mgf, 12/51. Address: College of Business Administration, University of Toledo, Toledo, Ohio 43606.
- MYERS, PROF. ROBERT H(ARRY). Marketing, Economics. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir. res, 68-, School of Business Administration, Miami University, Oxford, Ohio 45056.
- MYERS, DR. ROBERT L(EONARD). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 8814 Carlisle Rd, Wyndmoor, Pa. 19118.
- MYHILL, PROF. JOHN. Mathematics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- MYKLEBUST, DR. HELMER R. Psychology, Language Pathology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Res. prof. spec.

ed, & coordinator grad. studies, 69-, Dept. of Special Education, Northern Illinois University, De Kalb, Ill. 60115.

MYRICK, DR. RICHARD. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Pres, 67-, Performance Research Inc, 919 18th St. N.W., Washington, D.C. 20008.

MYTINGER, PROF. ROBERT EUGENE, b. Belle Fourche, S.Dak, Sept. 24, 26. HEALTH ADMINISTRATION. B.S. California, Los Angeles, 46, Dr. P.H., 65; M.P.H., California, Berkeley, 50. Assoc. campus sanitarian, student health serv, California, Los Angeles, 48-S1; training & publ. officer, prev. med. div, bur. med. & surg, U.S. Navy, 51-52; prog. dir, pub. health cmt, Paper Cup & Container Inst, N.Y, 52-55, asst. to secy, 55-57, secy, 57-59; secy, West. et al. (1998). Description of the second service of the second sec

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NAAR, DR. RAY, b. Salonicca, Greece, Oct. 15, 27; U.S. citizen, m. 53; c. 1. CLINICAL PSYCHOLOGY. B. Phil, French Archaeol. Sch, Athens, Greece, 46; B.S., Col. William & Mary, 57, M.S., 59; fel, Pittsburgh, 61-64, Ph.D. (psychol), 66. Psychologist, Juvenile Court, Richmond, Va, 57-59, chief psychologist, 59-61; staff psychologist, Psychol. Serv. of Pittsburgh, Pa, 64-66; CHIEF PSYCHOL. DEPT, COMMUNITY MENT. HEALTH CENTER, ST. FRANCIS GEN. HOSP, 66. Instr., Univ. Pittsburgh, 66. adj. asst. prof. 67- U.S.A, 52-55, Res. 55-65, Capt. Psychol. Asn. Counseling and psychotherapy; psychodiagnostic testing. Address: 6576 Lyndhurst Green, Pittsburgh, Pa. 15206.

NADELMAN, DR. LORRAINE (MRS. SIDNEY WARSCHAUSKY). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, Michigan, 69- Address: 1412 Brooklyn Ave, Ann Arbor, Mich. 48104.

NADKARNI, DR. VASANT D, b. Bombay, India, Sept. 14, 32; m. 62. CON-SUMER & ORGANIZATIONAL BEHAVIOR. Ford Found. fel, N.Y. Univ. 62-64, Ph.D. (bus. admin), 66. Pub. rels, Info. Serv. New York, 58-59; acct. exce, Advert. Agency & Mtk. Res, 61-62; asst. prof. BUS. ADMIN, McGill, 66-68; ASSOC. PROF, WINDSOR, 68-Mkt. Asn. International marketing. Publ: The new managers in India . . . , In: The process of management, Prentice-Hall, 69; co-auth, Teaching by the Case method, Int. Mgt. Rev, Zurich, 2/69. Address: Faculty of Business Administration, University of Windsor, Windsor, Ont, Can.

NAFTALIN, DR. ARTHUR. Political Science. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. pub. affairs, Minnesota, Minneapolis, 69-Address; 66 Seymour Ave. S.E., Minneapolis, Minn. 55414.

NAFZICER, DR. ESTEL WAYNE, b. Bloomington, Ill, Aug. 14, 38; m. 66; c. 1. ECONOMICS. B.A, Goshen Col, 60; M.A, Michigan, 62; Midwest Univs. Consortium Earhart fel, Illinois, Ph.D. (econ), 67. Teacher, sec. sch, Ind, 60-61; ast. ECON, Center Res. Econ. Develop, Michigan, 61-62; Illinois, 62-64; res. assoc, Econ. Develop. Inst, Nigeria, 64-65; ASST. PROF, KAN-SAS STATE, 66- Soc. Sci. Found. & Kansas State Univ. res. fel, Ahmadu Bello Univ, Nigeria, summer 69; African Studies Asn. fel, 69- Econ. Ass; Royal Econ. Soc. Economic aspects of the Nigerian political conflict; determinants of the supply and success of entrepreneurs in less developed economies; interregional economic relations in less developed economies. Publ: Interregional economic relations in clapsital surplus in Nigeria, Nigerian J. Econ. & Soc. Studies, 3/68; The effect of the Nigerian extended family on entrepreneurial activity, Econ. Develop. & Cultural Change, 10/69. Adress: Dept. of Economics, Kansas State University, Manhattan, Kans. 66502.

NAG, DR. MONI. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Anthropology, Columbia University, 452 Schernerhorn Hall, New York, N.Y. 10027.

NAGATA, DR. JUDITH A, b. Walsall, Eng, Feb. 14, 40; m. 66. SOCIAL AN-THROPOLOGY. B.A, Univ. Col., London, 81; M.A, Illinois, 63, Ph.D. (antrop), 68. ASST. PROF. ANTHROP, VORK (ONT), 67-7. Res. grant, Dept. Prov. Secv. Citizenship & Immigration, Ont, 67-69. Anthrop. Asn; Can. Asn. Sociol. & Anthrop. Religious utopian communities, especially Old Order Amish; urban anthropology, particularly studies of new immigrants to the City. Publ. Adaptation and integration of Creek working class immigrants to the city of Toronto: a situational approach, th. Migration Rev, 69. Address: Dept. of Sociology, York University, Toronto, Ont. Can.

NAGEL, PROF. STUART S. Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. 68-, Dept. of Political Science, University of Illinois, 335 Lincoln Hall, Urbana, Ill. 61801.

NAGLE, DR. WILLIAM J(OSEPH). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Sr. researcher, 69-, Urban Institute, 2100 M St. N.W. Washington, D.C. 20037.

NAGY, PROF. CHARLES FRANKLIN, b. Universal, Ind, May 3, 23; m. 46; c. 3. ACCOUNTING, ECONOMICS. B.S. Indiana State, 47, M.S., 49; Indiana, 48-50; Wisconsin, summer 51; Ph. D. (acct, econ), Alabama, 59. Asst. prof. acct, Wis. State, 49-51; assoc. prof, Memphis State, 51-57; asst. prof, Ohio State, 57-60; systs. analyst, N.Am. Aviation, Inc, Ohio, 60-61; prof. acct, Akron, 61-68; PROF. ACCT. & FINANCE & CHMN. DEPT. ACCT. FINANCE & LAW, CLEVELAND STATE, 68- U.S.N, 42-46, Lt.(g). AAAS; Am. Inst. Decision Sci; Am. Acct. Asn; Nat. Asn. Acct; Inst. Cert. Pub. Acct. Elec-

tronic data processing and systems that are related to social, governmental or business problems. Address: Dept. of Accounting, Finance & Law, Euclid at 24th 8t, Cleveland State University, Cleveland, Ohio 44115.

NAHM, PROF. JANE C, b. Lincoln, Ill, Jan. 12, 30; m. 59; c. 1. POLITICAL SCIENCE. B.A, Grinnell Col, 51; Hopkins, 54-55; George Washington, 55-57; Pennsylvania, 57-58; Tulane, 67-59. Staff assoc, U.S. Senate, 55-57; res. assoc, Hoover Library, 58-60; ASSOC. PROF. GOVT. & SOC. STUDIES, NORTHWEST. STATE COL. (LA), 60. Consult urban planning, 69-70. U.S.M.C, 50-54, Capt. Polit. Sci. Asn; Soc. Planning Off. City planning; port organization and management. Address: Dept. of Government & Social Studies, Northwestern State College, Natchitoches, La. 71457.

NAIDU, DR. GURRAMKONDA M, b. Chittoor, India, June 1, 37; m. 65; c. 1.

MARKETING, STATISTICS. B.A, Sri Venkateswara Univ, India, 57; M.S. Indian Statist. Inst, Calcutta, 62; Nat. Sci. Found. grant, Mich. State, 68-69, Ph.D. (mikl), 69. Computer, Indian Statist. Inst, Calcutta, 58-60, asst. statistician, 60-62, mem. res. & teaching faculty statist. methods, 62-65; asst. instr. statist. appln. in ed. res, Mich. State, 66-68, spec. res. asst. control systs, 67-68, sr. asst. MKT, 68-69; ASST. PROF, WIS. STATE, WHITE-WATER, 69- Mkt. Asn; Statistic applications in marketing, qualityteontrol and production management; model buildings and quantitative analysis of marketing systems; extension of marketing concept to education industry. Publ: Strategies for marketing higher education, Proc. Am. Mkt. Asn. Conf. 8/70. Address: Dept. of Marketing, Wisconsin State University, Whitewater, Wis. 53190.

NAKAMURA, DR. JAMES I, b. Toppenish, Wash, Mar. 16, 19; m. 44; c. 2. ECONOMICS, ECONOMIC HISTORY. B. S. Columbia, 52, Ford Found, fels, 52-55 & 62-63, Ph.D.(econ), 64. Lectr. ECON, Columbia, 56-87; City Col. New York, 57-59; instr., Adelphi Col., 59-62; lectr., Hunter Col., 63-64; asst. prof., COLUMBIA, 64-68, ASSOC. PROF, 68- Fulbright-Hays Center faculty fel, Columbia Univ, summer 67. U.S.A, 45-48, 1st Lt. Econ. Asn; Asn. Asian Studies; Agr. Econ. Asn; Econ. Hist. Asn. Agricultural and economic development of modern Japan; comparative agricultural and economic development of Japan. Pawan and Korea; pre-Meiji foundations of Japanese economic development. Publ: Agricultural production and the economic development of Japan. Princeton Univ., 65; Meiji Jand reform, redistribution of income, and saving from agriculture, Econ. Develop. & Cultural Change, 7/66; Nihon no Keizai Hatten to Nogyo, Toyo Keizai Shimposha, 68. Address: East Asian Institute, Columbia University, New York, N.Y. 10027.

NALESZKIEWICZ, PROF. WLADIMIR, b. Warsaw, Poland, Feb. 1, 31; nat; m. 55; c. 2. ECONOMICS. B.A, Strasbourg, 52, Free Europe Asn. scholar, 52-55, M.A, 55, French Govt. scholar, 55-56, Ph.D. (econ), 56. Instr. econ, Henderson State Teachers Col, 57-59; asst. prof. & chmn. dept, St. Benedict's Col, 59-62; asst. prof. Marquette, 62-64; assoc. prof. Notre Dame, 64-66; int. staff economist, Consol. Am. Serv, Wash, D.C, 66; team leader & sr. economist, Checchi & Co, 66; mgr. dept. econ. anal. & forecasting. Commun. Satellite Corp., 66-69; PROF. ECON, CLEVELAND STATE, 69-Consult, common carrier bur, Fed. Commun. Cmn, 69- Econ. Asn. Economics of telecommunications; econometrics; international economics; European integration; Soviet econometrics with extractional conomics, 2012, 1913, 1914,

NAM, DR. TAE Y, b. Kyungpuk, Korea, Mar. 12, 38; m. 67; c. 2. POLITICAL SCIENCE & ANTHROPOLOGY. B.A, Keimyung Christian Col, Korea, 61; Carroll Col, 62-63; M.A, Lowa, 65; Ph.D. (polit. sci), 69; ASST. PROF. POLIT. SCI, Tulsa, 67-68; N. NEVADA, 69-, Iaculty res. grant, 68-70. Consult, Am. Airlines, 66-68. Polit. Sci. Asn; Asn. Asian Studies; Soc. Pub. Admin. Far East and Southeast Asian politics; political anthropology; United Nations. Publ: Ed, Research methods in comparative politics, Univ. Tulsa, 69; auth, Structural-functional analysis, Int. Rev. Hist. & Polit. Sci. 2/69; Singapore's one party system: its relations to democracy and political stability, Pac. Affairs, winter 59. Address: Dept. of Political Science, University of Nevada, Las Vegas, Nev. 89109.

NAMIAS, PROF. JEAN. Economics. See L-Z Vol. 11th ed, Soc. & Behav Vols. Change of address: 700 Columbus Ave, New York, N.Y. 10025.

NANCE, DR. RICHARD E. Computer Science, Operations Research. See 12th ed, Phys. & Biol. Vols.

NANDA, PROF. VED P. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

NANUS, DR. BURTON BENJAMIN, b. New York, N.Y., Mar. 21, 36. MANAGE-MENT SCIENCE, OPERATIONS RESEARCH. M.E., Stevens Inst. Tech, 57; M.S., Mass. Inst. Tech, 59; D.B.A., Southern California, 67. Res. asst, Mass. Inst. Tech, 57-59; mgr. adv. tech, Univac Div, Sperry Rand Corp, 59-62; training dir, Opers. Res. Inc. 62; opers. res. scientist, Syst. Develop. Corp, 62-65, sr. tech. adv. mgf, 65-67; pres. Planning Tech. Inc, 67-63; SR. PUB. SYSTS. RES. ASSOC, UNIV. SOUTHERN CALIFORNIA, 69- Inst. Mgt. Sci; Opers. Res. Soc. Am; sr. mem. Inst. Indust. Eng; Systs. & Procedures Asn. Simulation and management gaming for research and educational purposes; long range planning processes; management information systems. Publ. Co-auth, Management games: a new technique for executive development, Reinhold, 61; auth, Industrial engineering opportunities in computer programming management, J. Indust. Eng, 7-8/65 & The multinational computer, Columbia J. World Bus, 11-12/69. Address: 249 S. Lafayette Park Place, Los Angeles, Calif. 90057.

NAPIER, DR. HERMAN S, b. Wayne, W. Va, June 22, 22; m. 50; c. 2. SOCIAL PSYCHOLOGY, MANAGEMENT. B.S, U.S. Mil. Acad, 45; M.S, Tulane, 58, Ph.D. (psychol), 67. Instr. mil. psychol. & leadership, U.S. Mil. Acad, 58-60, asst. dir. mil. psychol. & leadership, 60-62; asst. prof, DEPT. MGT, ARKANSAS, FAYETTEVILLE, 67-70, ASSOC. PROF, 70- U.S.A, 45-65, Lt. Col. AAAS; Psychol. Asn. Individual versus group learning. Publ: Social

conditioning in the modification of a dominance hierarchy among white rats, J. Soc. Psychol, 68; Individual vs group learning on three different tasks, J. Psychol, 68; Individual vs group learning; note on two task variables, Psychol. Reports, 68. Address: Dept. of Management, University of Arkansas, Fayetteville, Ark. 72701.

NAPOLI, DR. ANNA MARIE, b. New York, N.Y. July 30, 43. PSYCHOLOGY. B.A. Queens Col.(N.Y), 65; M.S., Tulane, 67, Nat. Sci. Found. traineeship & Ph.D.(psychol), 69. ASST. PROF. PSYCHOL, REIDLANDS, 69 - Psychol. Asn; Animal Behav. Soc. Social and hormonal factors in rodent sexual behavior. Address: Dept. of Psychology, University of Redlands, Redlands, Calif. 32373.

NAPP, DR. RALPH RAYMOND VON TRESCKOW. Sociology. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position & address: Assoc. prof. 69-, Dept. of Sociology, Madison College, Harrisonburg, Va. 22801.

NARODICK, DR. KIT G. Economics, Business Administration. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1025 Fifth Ave, New York, N.Y. 10028.

NASH, PROF. ARNOLD S(AMUEL). Religion, Sociology. See 5th ed, Dir. Am. Scholars, Vol. IV. Philos, Relig. & Law.

NASH, DR GEORGE, b. New York, N.Y, Sept. 1, 32. SOCIOLOGY. B.A, Haverford Col. 53: Ph.D.(sociol), Columbia, 69. SOCIOLOGIST, BUR. APPL. SOC. RES, COLUMBIA, 69- Sociol. Asn; Soc. Study Social Probs. Urban sociology—aging, alcoholism and narcotics addiction, higher education—universities and urban problems. Publ: Student financial aid—college and university. Encyclop. Ed. Res, 68; co-auth, The non demanding society; an analysis of the social structure of skid row, J. Soc. Probs, 70; auth, The decision to attend movies, Pub. Opinion Quart, 70. Address: Bureau of Applied Social Research, Columbia University, 605 W. 115th St. New York, N.Y. 10025.

NASH, DR. JUNE C(APRICE). Anthropology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New publ: The structuring of social relations in Amatenango del Valle: an activity analysis, CDOC, Mex, 68; In the eye of the ancestors: belief and behavior in a Maya Indian community, Yale Univ., 70. Address: Days. of the Amatenango, New York University, New York, University Heights,

NASH, DR. MICHAEL D(ENNIS), b. San Diego, Calif, May 10, 40; m. 63; c. 3. PSYCHOLOGY. B.A, St. Mary's Col. Calif. 62; Loyola (III), 62-63; M.A, Bradley, 64; Ph.D. (psychol), Arizona State, 68. ASST. PROF. PSYCHOL, TEMPLE BUELL COL. 68- Psychol. Asn. Psychotherapy, especially behavior modification; perceptual research, especially the perception of complex stimul; philosophy of science. Publ: Argument terminable or interminable, Am. Psychologist, (in press); co-auth, The dimensions of stimulus complexity and the visually evoked potential, Neuropsychologia, (in press). Address: Dept. of Psychology, Temple Buell College, Denver, Colo. 80220.

NASH, DR. PHILLEO. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 540 N St. S.W, Washington, D.C. 20024.

NASON, DR. JOHN W(ILLIAM). International Relations. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New information: Retired, 70. Address: Keene, N.Y. 12942.

NASON, DR. ROBERT WHITE, b. Philadelphia, Pa, July 28, 39; m. 61; c. 4. MARKETING, INTERNATIONAL BUSINESS. B.S, Colorado, 63; M.B.A, Mich. State, 64, Ph.D. (mkt), 68. Researcher, U.S. Agency int. Develop, Mich. State Univ, 66-68; ASST. PROF. MKT, WHARTON SCH, PENNSYL-VANIA, 69- Mkt. Asn; Soc. Int. Develop. Role of market systems on economic development; alternative urban strategies for public policy to deal with problems of slums, ghettos, poverty and race. Publ: Ed, The role of food marketing in the economic development of Puerto Rico, 66 & auth, chaps, In: The market process of Recific, Brazil and its food shed, 68, Mich. State Univ. Address: Dept. of Marketing, Wharton School, University of Pennsylvania, Philadelphia, Pa. 19104.

NATCHEZ, DR. GLADYS WORMS. Clinical Psychology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. Change of address; 55 E. 87th, New York, N.Y. 10028.

NATH, PROF. LAWRENCE HAIG, b. Ottawa, Ont, Jan. 20, 17; U.S. citizen; m. 43; c. 2. MANACEMENT SCIENCE. A.B., Duke, 39; M.A. Columbia, 47; Ph.D.(admin), Kentucky, 52. Instr. sci, Robert Col., Istanbul, 39-40; sci. & math, Brent Sch, Philippines, 40-41; chem. & physics, Fordham, 46-47; assoc. prof. chem, Tusculum Col, 47-48; asst. prof. phys. sci, Eastern Kentucky, 48-52; faculty mem. bus. admin, Sinclair Col, Ohio, 55-57; prof. mgt. & chmn, dept, Nichols Col, 58-63; dean sch. bus. admin, UEST. NEW ENG. COL, 63-68, PROF. MGT. & INT. MGT, 68- Sr. res. specialist, Nat. Cash Register Co, Ohio, 57; lectr. grad. sch. bus. admin, Clark, 68- Consult, Springfield Tech. Community Col, 68- U.S.A.A.F, 42-45, T/Sgt. Acad. Mgt; Asn. Ed. Int. Bus. Brit. Inst. Mgt. Management operation in Australia; international trade of firms in Connecticut Valley; management training of lirst-line supervisors; science education in English for Turkish students. Publ: Zoology review. South. Press, 38; Science for beginners in English, Robert Col, Istanbul, 40. Address: 6 Fairview Rd, Wilbraham, Mass. 0195.

NATHAN, DR. OTTO. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 24 Fifth Ave, New York, N.Y. 10011.

NATIELLO, DR. THOMAS A(NTHONY). Management. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 70-, Dept. of Management, University of Miami, P.O. Box 8524, Coral Gables, Fla. 33124.

NATOLI, DR. SALVATORE J(OHN). Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Ed. affairs dir, 69-, Association of American Geographers, 1146 18th St. N. W, Washington, D.C. 20036.

NAVRAN, DR. LESLIE. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 66-, Royal Roads Mill-tary College, Victoria, B.C, Can.

NAYA, DR. SEIJI, b. Hyogo, Japan, Dec. 20, 32; m. 61; c. 2. ECONOMICS. B.B.A, Hawaii, 58; M.A, Wisconsin, 62, Ph.D. (econ), 65. Jr. economist, Hawaii, 62-64; ASST. PROF. ECON, WISCONSIN, MADISON, 65. Mem, Southeast Asia Develop. Adv. Group, 67. Publ: Natural resources, factor mix and factor reversal in international trade, Am. Econ. Rev. 5/67; The commodity pattern and export performance of developing Asian countries, Econ. Develop. & Cult. Change, 7/67. Address: Social Science Bidg, University of Wisconsin, Madison, Wis. 53706.

NAYAR, DR. BALDEV RAJ, b. Gujrat, India, Oct. 26, 31; m. 61; c. 2. PO-LITICAL SCIENCE. B. A. Panjab, India, 53, M.A., 56; M.A., Chicago, 59, Ph.D. (polit. scl), 63. Asst. prof. POLIT. SCI, Calif. State Col. Hayward, 63-64; McGILL, 64-66, ASSOC. PROF, 66- Sr. 1e1, Can. Coun, 67-68. Secytreas, Shastri Indo-Can. Inst, 69-70. Am. Hist. Asn. Watumull prize, 66. Polit. Sci. Asn, Asn. Aslana Studies. Comparative politics and political development, especially with reference to India; problems of national integration and economic development. Publ. Minority politics in the Punjab, 66 & co-auth, State politics in India, 68, Princeton; auth, National communication and language policy in India, Praeger, 69. Address: Dept. of Political Science, McGill University, Montreal, Que, Can.

NAYLOR, DR. H(ARRY) L(EE). Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Regional & Community Affairs, University of Missouri, Columbia, Mo. 65201.

NAYLOR, DR. JOHN ALBERT, b. Keokuk, Iowa, Dec. 12, 40; m. 67; c. 1. ECONOMICS. A.B. Carthage Col, 63; M.A., Ilinois, 65, Nat. Sci. Found. fel, summer 66, Int. Bus. Mach. 1el, 66-67; Ph.D. (econ), 68. ASST. PROF. ECON, COL. WOOSTER, 68- Econ. Asn; Finance Asn. Monetary theory; term structure of interest rates; general economic theory. Publ: Some theoretical and empirical considerations relative to the term structure of interest rates, J. Finance, 9/69; Comment on a note on the traditional theory of the term structure of interest rates, Int. Econ. Rev, 10/69; Rationale and significance of the proposed discount mechanism, Quart. Rev. Econ. & Bus, winter 69. Address: Dept. of Economics, College of Wooster, Wooster, Ohio 44691.

NAZZARO, PROF. JAMES RUSSELL, b. New York, N.Y., June 5, 31; m. 55; c. 2. EXPERIMENTAL PSYCHOLOGY. B.A, City Univ. New York, 57; c. A.M, Columbia, 58, Ph.D. (sysychol, 61. From asst. prof. PSYCHOL. to prof. & chmn. dept, Mary Washington Col, Virginia, 61-69; PROF. & HEAD DEPT, CHICO STATE COL, 69- Fubright vis. prof. Brasilia, 64-65. U.S.A, 51-53. Psychol. Asn. Psychophysics, especially bisection of visual extents and anchoring in auditory dimensions; influence of sensory variables on decision making; self-paced instruction; effect of air ions on stress behavior. Publ. Bisection of a visual spatial extent, Am. J. Psychol, 77: 403-413; co-auth, Anchoring of pitch judgments, J. Gen. Psychol, 74: 307-311 & Influence of luminance on a two-choice decision task, J. Exp. Psychol, 71: 696-699. Address: Dept. of Psychology, Chico State College, Chico, Calif. 95926.

NEAL, DR. GILBERT LINCOLN. Industrial Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Eng. psychologist, U.S. Army SAFSEA, White Sands Missile Range, N.Mex, 68- Address: 5312 Marcilus, El Paso, Tex. 79924.

NEAL, PROF. JOE WEST, b. Watertown, Tenn, Oct. 25, 16; m. 43; c. 4. IN-TERNATIONAL COMMUNICATION, SPEECH. B.A, Texas, Austin, 38, M.A, 41, Ph.D. (Latin Am. studies), 57. Lectr. govi, TEXAS, AUSTIN, 46-66, PROF. SPEECH, 66-, DIR. INT. OFF, 41- Am. Friends Mid.E. travel grant, 54; Creole Found, grant. Consult, Inst. Int. Ed, Ford Found. & U.S. Depl. State. U.S.A.R, 42-, Col. Nat. Asn. For. Student Affairs (gres, 63-64); Polit. Sci. Asn. Speech Asn. Am, Int. Commun. Asn; Acad Polit. & Soc. Sci. Address: International Office, Drawer A, University Station, Austin, Tex. 76712.

NEALE, DR. JOHN M, b. Toronto, Ont, Aug. 31, 43; m. 66. PSYCHOLOGY. B.A, Toronto, 66; M.A, Vanderbilt, 68, Ph.D.(psychol), 69. ASST. PROF. PSYCHOL, STATE UNIV. N.Y. STONY BROOK, 69. Clinical psychology; schizophrenia; emotion. Publ: Egocentrism in institutionalized children, Child Develop, 66; co-auth, Anxiety, choice and stimulus uncertainty, J. Personality, 69 & Attention and schizophrenia, In: Progress in experimental personality research, Acad. Press, 70. Address: Dept. of Psychology, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.

NEALEY, DR. STANLEY M. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. psychol, 69-, Dept. of Psychology, Colorado State University, Ft. Collins, Colo. 60521.

NEASHAM, DR. ERNEST ROY, b. Dunsmuir, Calif, Feb. 29, 20; m. 64; c. 1. HIGHER EDUCATION. A.B. Chico State, 48, M.A., 56; Kellogg fel, California, Berkeley, 63-68, Ed.D. Kingher ed), 68. Teacher, high sch, Calif, 49-50, v.prin, 50-58; instr. hist. & geog, Shasta Col, 58-63; RESEARCHER & CONSULT, URS RES. CO, SAN MATEO, CALIF, 68-U.S.A, 43-46, 58; I. Junior college and high school vocational and academic curriculum, evaluation and research; junior college facility planning; educational systems, evaluation and research; junior college faculty characteristics and attitudes. Publ; Co-auth, Vocational education available to adults in the public schools of Alameda and Contra Costa Counties, Sch. Ed, Univ. California, Berkeley, 66; Experimental pilot summer vocational program: an evaluation, Mgf. & Econ. Res, Inc, 68; Project 3000: evaluation of an exemplary vocational education program, URS Res. Co, 69. Address: 4117 Boone Lane, Sacramento, Calif. 95821.

NEAVE, DR. EDWIN H(AROLD), b. New Westminster, B.C. June 25, 35; m. 63; c. 2. ECONOMICS, MANAGMENT SCIENCE. B. Commerce, British Columbia, 64; Ph.D. (bus. admin), California, Berkeley, 68. Asst. to controller,

Can. Imp. Bank Commerce, 53-67; acting instr. managerial econ, California, Berkeley, 67-68; ASST. PROF. FINANCE, NORTHWESTERN, 68- Northwestern Univ. faculty res. fel, summer 69. Econ. Asn; Finance Asn; Inst. Mgt. Sci. Inventory theory; applications of management science techniques and of economic theory to problems in financial decision-making and in characteristics of financial markets. Publ: Co-auth, Financial institutions, Irwin, fifth ed, (in prep); The stochastic cash balance problem with fixed costs for increases and decreases, Mgt. Sci. Theory, 3/70. Address: Dept. of Finance, Northwestern University, Evanston, Ill. 60201.

NEEDHAM, DR. DOUGLAS, b. Leeds, Eng, Apr. 27, 40; m. 62. ECONOMICS. B.Sc, London, 61; Patent Study fel, Princeton, 61-64, M.A., 63, Fulbright travel fel, 61-65, Ph.D. (econ), 65. InStr. ECON, Princeton, 64-65; Lectr, London Sch. Econ, 65-69; ASSOC. PROF, STATE UNIV. N.Y. COL. BROCK-PORT, 69. Consult. economist, U.K. Ministry Delence, London, 67-68. Econ. Asn. Industrial organization and market structure; macroeconomic theory; public finance and discal policy. Publ: Economic analysis and industrial structure, 69 & ed, Readings in the economics of industrial organization, 70, Holt; auth, The rationale of basing-point pricing, South. Econ. J., 4/64. Address: Dept. of Economics, State University of New York College at Brockport, Brockport, NY, 14420.

NEEDHAM, DR. WILLIAM ROBERT, b. London, Ont, Dec. 19, 38; m. 62; c. 2. ECONOMICS. B. Commerce, 61; M.A., Queen's (Ont), 64, Dept. Manpower & Immigration grant, 67-68, Ph.D. (econ), 66. Asst. prof. ECON, WATERLOO, 65-68, DEPUTY CHMN, 68-, ASSOC. PROF. 69- Am. Econ. Asn; Can. Econ. Asn. Canadian economic history; immigration to Canada from the British Isles. Address: Dept. of Economics, University of Waterloo, Waterloo, Ont, Can.

NEEL, DR. ANN FILINGER. Clinical Psychology, Child Development. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chief child welfare res. & demonstration grants prog. 68-, Community Services Administration, Social & Rehabilitation Services, Dept. of Health, Education & Welfare, Washington, D. C. 20201.

NEEL, DR. RICHARD E(UGENE). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. dean, 69-, School of Business Administration, Georgia State University, 33 Gilmer St. S.E, Atlanta, Ga. 30303.

NEELY, DR. JAMES ALAN, b. St. Louis, Mo, Nov. 7, 36; m. 63. ANTHRO-POLOGY, ARCHAEOLOGY. B.A, Univ. of the Americas, 58; M.A, Arizona, 68, Ph.D. (anthrop), 70. Asst. archaeologist, Mus. Northern Arizona, 62-63; res. assoc. archaeol, Rice, 63-64; Smithsonian Inst, 64: ASST. PROF. ANTHROP, TEXAS, AUSTIN, 68- Summers, res. asst. archaeol, Univ. Arizona, 60; Univ. Oklahoma, 61, R.S. Peabody Found, Mass, 64, asst. archaeologist, Ariz. State Mus, Univ. Arizona, 65; res. assoc. archaeol, Smithsonian Inst, 66; archaeol. Red res. In Iran, Rice Univ. 68-69. U.S.A. R, 55-62. Fel. AAAS; Anthrop. Asn, Mex. Anthrop. Soc; Brit. Inst. Persian Studies. Archaeological research on prehistoric plant and animal domestication and development of village farming communities and Irrigation agriculture in Mexico and the Middle East. Publ. Co.-auth, Prehistory and human ecology of the Deh Luran Plain, Iran, Univ. Michigan Mus. Anthrop. Memoirs, 69; auth, Organizacion hidraulica y sistemas de irrigacion prehistoricos en el Valle de Oaxaca, Mexico, Boletin del Instituto Nacional de Anthropologia el Historia, 67; co-auth, Water control systems of the Tehuacan Valley, Mexico, In: Prehistory of the Techuacan Valley, Muv. Texas, 70. Address: Dept. of Anthropology, University of Texas at Austin, Austin, Tex. 78712.

NEET, PROF. CLAUDE C(ASSELL). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof. psychol, Massachusetts, Amherst, 69- Address: 36 Harris St, North Amherst, Mass. 01059.

NEGLEY, PROF. GLENN R(OBERT). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

NEGYESSY, DR. ARPAD JOSEPH, b. Eger, Hungary, Nov. 23, 11; U.S. citizen; m. 42; c. 1. GOVERNMENT, HISTORY. LL.B, Archiepiscopal Law & Polit. Sci. Acad, Eger, 34; Ph.D. (polit. sci.), Elizabeth Univ, Pecs, Hungary, 35; M.A, Rutgers, 61. Lectr. pub. admin, Munic. Acad. Townclerks, Eger, 41-45; asst. prof. pub. admin. & finance, Archiepiscopal Law & Polit. Sci. Acad, Eger, 45-48; instr. Am. govt, Arlington State Col, 65-67; asst. prof. East. European govt, Texas, 67-69; ASSOC. PROF. HIST. & GOVT, NORWICH, 69-Res, grant, Texas, 67. Polit. Sci. Asn. Russian, Eastern Europe and American government. Address: Dept. of History and Government, Norwich University, Northfield, Vt. 05663.

NEIDELL, DR. LESTER A, b. New York, N.Y, Apr. 29, 39; m. 61; c. 2. MAR-KETING. B.S, Lehigh, 60; Ford Found fel, Mass. Inst. Tech, 64-65; S.M, 65; Ph.D.(econ), Pennsylvania, 69. ASST. PROF. MKT, STATE UNIV. N.Y. BUFFALO, 67- U.S.A.F., 61-67, 8/Sgt. Inst. Mgt. Sci; Mkt. Asn. Marketing operations; simulation; nonmetric multidimensional scaling: Publ: Co-auth, Perceptual mapping of a convenience good, Am. Mkt. Asn. Proc, fall 69; auth, Multidimensional scaling in marketing, J. Mkt. 11/69. Address: Dept. of Marketing, State University of New York at Buffalo, Buffalo, N.Y. 14214.

NEIGHBOR, DR. HOWARD D. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir, 69-, Social Science Research Center, University of Texas at El Paso, Administration Annex, El Paso, Tex. † 79999.

NEILL, DR. JOHN ADDISON, b. St. Catherines, Ont, Nov. 22, 39; m. 60; c. 2. PSYCHOLOGY. B.A, Western Ontario, 61, M.A, 65, Ont. Addiction Res. Found. fel, 66-67, Ph.D.(psychol), 68. ASST. PROF. PSYCHOL, Windsor, 67-69; GUELPH, 69- Sr. res. consult, Ont. Ment. Health Found. res. grant, 67-70. Am. Psychol. Asn. Carpsonality; educational problems; measurement. Publ: Co-auth, An emprical evaluation of item selection techniques in personality assessment, Educ. & Psychol. Measurement, 70. Address: Dept. of Psychology, University of Guelph, Guelph, Ont, Can.

NELL, PROF. EDWARD JOHN. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. econ, 69-, Graduate Faculty-Newschool for Social Research, 65 Fifth Ave, New York, N.Y. 10001.

NELSEN, DR. EDWARD A. Developmental Psychology. See L.-Z. Vol. 11th ed, Soc. & Behav. Vols. New position & address: Dir, 68-, Office of Research & Evaluation, North Carolina Central University, Durham, N.C.

NELSON, DR. ANDREW GEORGE, JR, b. New Haven, Conn, Feb. 19, 26; m. 51; c. 1. ECONOMICS, FINANCE. B.S, Maryland, 58, M.B.A, 63; D.Econ, Brussels, 64; George Washington, 64-67, Admin. officer. Bur. Customs, U.S. Treasury Dept, 59-60; finance analyst, Securities & Exchange Cmn, 60-64; grants officer, U.S. Pub. Health Serv, 64-67; asst. dir. res. & develop, AM, GAS ASN, 67-68, ASST. CONTROLLER, 68-Pres, Tech-Ec Systs, Inc. 68-U.S. Pub. Health Serv. outstanding serv. award, 64-67. U.S.A, 43-59; U.S.N.R, 58-, Lt. Pub. Health Asn. Public financing of privately held corporations, Address: American Gas Association, 605 Third Ave, New York, N.Y. 10016.

NELSON, DR. CONSTANCE B(URKHARDT). Psychology. See L-Z Vol, 11th ed, Soc, & Behav. Vols. New information: Clin. psychologist, Vet. Admin. Ment. Health Clin, 68-; affiliate assoc. prof, Colorado State. Address: 1160 Birch, Denver, Colo. 80220.

NELSON, DR. DOUGLAS L, b. Waukegan, Ill, Aug. 7, 40; m. 62; c. 2. EXPER-MENTAL PSYCHOLOGY. B.A, Virginia, 62; M.A, Wisconsin (Madison), 65, Ph.D. (bgsvehol), 67. ASST PROF. PSYCHOL, SOUTH FLORIDA, 67. Application of concepts and methods of analysis developed in information theory to the study of organizational processes involved in the learning and retention of verbal stimuii. Publ: Co-auth, Single, alternate, and successive practice in the acquisition of two and three serial lists, 76: 376-386, Effect of cue alternation for ordinal position upon acquisition and serial position curve form, 68 & Information theory and stimulus encoding in paired-associate acquisition: ordinal position of formal similarity, 68, J. Exp. Psychol. Address: Dept. of Psychology, University of South Florida, Tampa, Fla. 33620.

NELSON, DR. HERBERT LEROY. Psychiatry. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

NELSON, DR. JOEL I, b. New York, N.Y, Aug. 22, 38; m. 63; c. 2. SOCIOL-OGY. A.B, Columbia, 59; M.A, Yale, 63, Ph.D. (sociol), 65. Asst. prof. SOCIOL, MINNESOTA, MINNEAPOLIS, 65-69, ASSOC. PHOF, 70-Sociol. Asn. Analysis of the structure of social stratification. Publ: Clique contacts and family orientations, 66 & Participation and integration, 68, Am. Sociol. Rev. Anomie, Am. J. Sociol, 68. Address: Dept. of Sociology, University of Minnesotal, Minnespolis, Minn. 59455.

NELSON, PROF. LOIS AUDREY, b. Stoughton, Wis, May 11, 29. SPEECH PA-THOLOGY. B.S, Wisconsin, Madison, 54, Ph.D. (speech), 60; M.A, Western Michigan, 55. Speech therapist, Lehigh County Crippled Children's Soc, Allentown, Pa, 55-56; asst. prof. speech, Minot State Col, 56-57; instr. SPEECH PATH, WISCONSIN, MADISON, 60-61, asst. prof. 61-64, assoc. prof., 64-68, PROF, 68- Fel. Speech & Hearing Asn. Stuttering; differential diagnosis of speech and language disorders. Publ. Co-auth, Some general characteristics of linguistic output: stutterers vs. nonstutterers, J. Speech & Hearing Disorders, 5/66. Address: Dept. of Communicative Disorders, University of Wisconsin, 905 University Ave, Madison, Wis. 53706.

NELSON, PROF. LYLE M, b. Yamhill, Ore, Feb. 28, 18; m. 41; c. 2. COM-MUNICATION. A.B., Oregon, 41. Sr. tech. ed, Ord. Dept. U.S. Army, 44.45; asst. registrn. officer, Bur. Reclamation, 45-47; asscc. prof. journalism. Oregon, 47.53; secy. & asst. pres, Nat. Ed. TV, 53-55; prof. commun, Ilt. arts div, San Francisco State Col. 55-57; prof. journalism. & vpres. col. lit, sci. & arts, Muchigan, 57-61; PROF. COMMUN. & CHMN. DEPT, STANFORD, 61- Consult, Govt. Am. Samoa, 66-; U.S. Info. Serv, 67-; Govt. E. Africa, 68; U.S. Off. Ed, 68- Mem. U.S. Delegation to U.S.S.R, 59; exec. dir, White House-Conf. Ed, 65. Communications research; journalism; broadcasting. Publ: Co-auth, Educational television: next ten years, U.S. Off. Ed, 62 & Satellite communications—case for India, U.S. Dept. State, 68; auth, Education in American Samoa: 1970, Univ. Hawaii, 70. Address: Dept. of Communications, Stanford University, Stanford, Calif. 94305.

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NELSON, DR. ROBERT A. Economics. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position: Fed. exec. fel, Brookings Institution, 70- Address: 6723 Tennyson Dr, McLean, Va. 22101.

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assoc.prof. 64-70, PROF. 70-, ASST. DEAN COL. BUS, 89- Found. Econ. Ed. scholar, Mt. Bell, 88; v.pres, Comput. Logic Corp, 70- Consult, bur. econ. & bus. res, & bur. Indian serv, Univ. Utah; Circuit & Eddington; Continental Thrift & Loan; J.A. Hogle & Co. Kennecott Copper Corp; Mt. Bell; U.S. Air Force, Europe; Bur. Indian Affairs, U.S. Dept. Interior; Utah State Indust. Promotion Cmn; Utah Power & Light Co; Weber Indust. Promotion Cmn; Biologics, Inc; consult. to v.pres, Comput. Logics, Inc, 69- Mgt. Asn; Admin. Mgt. Soc. Management information science and systems; industrial feasibility research; managerial communications; computer software. Publ: Co-auth, Evaluation and impact of the Small Business Administration's financial assistant program in Utah, 1954-1960, U.S. Govt, Small Bus. Admin. & Bur. Econ. & Bus. Res, Univ. Utah, 62; auth, Utah; originum site for metal fabricating plants, Utah State Indust. Promotion Cmn, 68; Management and the age of the worker, Am. Mgt. Soc. Mgt. Bull, 10/64. Address: 2662 Skyline Dr, Salt Lake City, Utah 84108.

NELSON, PROF. SHERWOOD M(ATHIS). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

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M.S, Rensselaer Polytech. Inst, 65, Ph.D. (opers. res), 68. Res. assoc.
opers. res, Rensselaer Res. Corp, 66-68; admin. comput. & info. systs,
Rensselaer Polytech. Inst, 68-69; ASST. PROF. MGT. & COMPUT. SCI. &
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NEVEU, DR. RAYMOND PHILLIP, b. Woonsocket, R.I., Sept. 28, 38; m. 61; c. 4. BUSINES & ADMINISTRATION. A.B., Providence Col., 59; M.A., Boston Col., 61; fel, Pittsburgh, 63, Ph.D. (bus. admin), 68. Instr- bus. admin, Point Park Col., 63-65; asst. prof. bus. admin, Indiana State, 63-68; PINAYCE, CINCINATI, 68-70, ASSOC. PROF, 70-, univ. res. grant, 69-71. U.S.A.R, 60-68. Econ. Asr.; Inst. Decision Sci. Financial management, commercial bank management, quantitative methods in finance; computer science and financial management, computerization of accounting and finance pedagogies. Publ: Co-auth, Computerization accounting: level I, Indiana State Univ., 68; auth, Commercial bank risk behavior: some research problems, ind. Acad. Soc. Sci., 68; co-auth, COMPACT: the use of computer science to improve accounting pedagogy: Decision Sci., 70. Address: College of Business Administration, University of Clincimath, Cincinnati, Ohio 45221.

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49-51; res. assoc. lignin chem, Ont. Res. Found, 51-55; res. dir. textile chem, Porritts & Spencer Can)Ltd, 55-63; CO-ED. PEACE RES, CAN. PEACE RES. INST, 63-Peace Res. Soc.(Int); Can. Peace Res. & Ed. Asn. Peace research and social science documentation; measurement of tension between nations as revealed by military expenditures; response sequences between nations, groups or individuals. Publ: Co-auth, Peace research around the world, Can. Peace Res. Inst., 69; auth, Initiatives and responses in foreign policy, Peace Res. Reviews J, 6/69 & Towards the development of an inter-nation tensionweter, Papers Peace Res. Soc.(Int), Copenhagen, 69. Address: 25 Dundana Ave, Dundas, Ont, Can.

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NEWMAN, DR. EARL NELSON, b. Henryetta, Okla, Jan. 17, 27. PSYCHOL-OGY. B.S. Okla. State, 49, M.S., 50; Ed.D. (ed. psychol), 57; Baylor, 58; Nat. Sci. Found, grant, Fla. State, 59; lows State Teachers Col. 61; Tubas, 65, 66. Teacher high sch, Okla, 50-66; asst. prof. PSYCHOL, CENT, STATE COL. (OKLA), 66-69, ASSOC, PROF, 69-Vis, prof. Carson-Newman Col. 60; prof. State Col. Ark, 66, 68, consult, faculty workshop, 67. Psychol. consult, Kingfisher County Schs. 67-68. U.S.A., 45-46. AAAS; Psychol. Asn. Developmental and educational psychology; counseling. Publ. Let your high school science department help you, Eighth Yearbook Elem. Sch. Adminstrs, Okla. Ed. Asn, 56; The teacher corps-a report of progress, Okla. Teacher, 2/68 & Personality factors in athletics, Res. Quart, 12/68. Address: Dept. of Psychology, Box 10, Central State College, Edmond, Okla. 73034.

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Hist. Soc. Regional economics; employment changes and structure by subareas. Publ: Metropolitan and nonmetropolitan employment changes, Soc. Sci. Quart, 9/69. Address: 8313 Panola St, New Orleans, La. 70118.

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NICKERSON, DR. RAYMOND STEPHEN, b. Bangor, Maine, Nov. 5, 31; m. 53; c. 4. EXPERIMENTAL PSYCHOLOGY B.A, Barrington Col, 54; M.A. Maine, 59; Ph.D.(exp. psychol), Tufts, 65. Res. psychologist, Decision Sci. Lab, U.S. Air Force, 9-66; sr. scientist, BOLT BERANEK & NEWMAN, NC, 66-69, DIR. BEHAV. SCI. DIV, 69- Lectr, part-time, Northeastern, 65-66, Tutts, 68- Consult. ed, J. Exp. Psychol, 69- Mem. bd. trustees, Barrington Col, 69- U.S.A, 55-57. Psychol. Asn; Asn. Comput. Mach; Psychonomic Soc. Reaction time; memory; information processing; man-computer interaction. Publ: Expectancy, waiting time and the psychological refractory period, in: Attention and performance, North Holland Pub, 67; Categorization time with categories defined by disjunctions and conjunctions of stimulus attributes, in: Information processing approaches to visual perception, Rinehart & Winston, Inc, 69; Man-computer interaction: a challenge for human factors research, Ergonomics, 12: 501-517, Man-Machae Systs, Vol. 10, No. 4. Address: 5 Gleason Rd, Bedford, Mass. 01730.

NICKEY, BRADLEY BAER, b. York, Pa, Feb. 11, 31; m. 56; c. 2. MANAGE-MENT SCIENCES, SYSTEMS ANALYSIS. B.S.Eng, San Diego State Col, 61, M.S.B.A, 66. Indust. engr, Utah Div, Kennecott Copper Corp. 60; indust. eng. analyst, Ryan Aeronaut. Co, 60-61; indust. engr, mgt. eng. div, Norton Air Force Base, 61-62, supv. indust. engr. data serv. div. 62-63; proj. dir. personnel systs. res. dept, U.S. Navy Personnel Res. Activity, 63-68; genengr., Corona Labs, U.S. Navy Weapons Center, 66-68; OPERS. RES. ANALYST, FOREST FIRE LAB, U.S. FOREST SERV, 69- Consult, Corona Labs, U.S. Navy Weapons Center, 68. Inst. Mgt. Sci; Inst. Indust. Eng. Statist. Asn. Analysis and design of commercial, military and governmental man-machine systems; formulation and manipulation of analytic models of tactical weapons; personnel and planning systems. Publ: Co-audu, Analysis of navy enlisted personnel retention variables, PRASD Res. Report, 84-65; auth, Effects of ARM on the illumination-engagement envelop of Mod 1 Guideline Missile, 9/67 & Examination of the potential use of the standard ARM Mod 0 system in Southeast Asia, 11/67, Corona Labs, U.S. Navy Weapons Center. Address: Forest Fire Laboratory, 4955 Canyon Crest Dr. Riverside, Calif. 92507.

NIEDZIELSKI, DR. HENRI. Romance Languages, Linguistics. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.

NIEHOFF, DR. PETER H, b. Knoxville, Tenn, May 22, 39; m. 67; c. 1. ECO-NOMICS. B.A, Lawrence, 62; M.A, Illinois, 63; B.A, Mich. State, 66; Ph.D. (econ), Nebraska, 69. Instr. ECON, Coc Col, 63-64; Western Michigan, 67; Nebraska, 68-69; ASST. PROF, DENVER, 69- Lectr, Colo. Tax Cmn, 70; Shell Oil Co. grant, 70. Consuit, Mt. Bell Tel. Co, 69; State Planning Bd, Colo, 69- Econ. Asn. Applications of network analysis to economics; econometrics. Address: Dept. of Economics, University of Denver College of Business Administration, Denver, Colo. 80210.

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NIELSEN, DR. WINNIFRED M(OON), b. Key West, Fla, Aug. 16, 17: m. 37, 44, c. 3. PSYCHOLOCY. B.A, Florida, 58, M.A, 60, Ph.D. (psychol), 62. Res. asst, parapsychol. lab, Duke, 54-55, res. fel, 55-56, fel, 63-64; asst. prof. psychol, Mary Washington Col, Virginia, 62-63, trainee clin. psychol, Vet. Admin, 64-65; state psychologist, N.C. Div. Voc. Rehab, 65-66, state res. psychologist & consult, 66-69, RES. ASSOC, INST. PARAPSYCHOL, 69-AAAS; Psychol. Asn. Parapsychol. Asn. Aptitudes as intrinsic motives; the incubation effect in problem-solving; the role of stimulus materials, cognitive characteristics, and affective states in extrasensory perception and in learning; group extrasensory perception effects. Publ. Co-auth, The graduate record examination and selection of graduate students, Am. Psychologist, 10-61; Consistency of relationship between ESP and emotional variables, 6/65 & auth, Studies in group effects: I. Mood, personality characteristics, and group target, 6/70. J. Parapsychol. Address: P.O. Box 642, St. Mary's Rd, Hillsborough, N.C. 27278.

NIELSON, DR. MELVIN MAKUDREW), b. Salt Lake City, Utah, May 14, 25; m. 50; c. 6. SPEECH PATHOLOGY, AUDIOLOGY. B.S., Utah, 52, M.S., 54, Ph.D. (speech path), 67; Off. Voc. Rehab. trainee, Iowa, summers 63 & 64. Res. asst. speech sci. oi. med, Utah, 54-55; dir. speech & hearing dept, Primary Children's Hosp, Salt Lake City, Utah, 55-64; DIR. AUDIOL. & RES, UTAH STATE SCHS. FOR DEAF & BLIND, 64 - Ulin. instr., Univ. Utah, 62-62; audiologist consult, datter-day Saints Hosp, Salt Lake City, Utah, 56-62; audiologist consult, Salt Lake City Bd. Ed, 64- U.S.A.A.F., 43-46. Speech & Hearing Asn. Bulbar polio speech problems; classroom achievement and degree of hearing loss; amplification systems used in schools for the deaf. Publ. Co-auth, Mechanisms of disability of speech resulting from poliomyelitis, Annals of Otol, Rhinology & Laryngol, 3'97, Studies of the pharynx, J. Pediat, 6'57 & An experimental comparison of group amplification systems, Utah Schs, for Deaf & Blind, Ogden. Address: 680 E. Oaklane Circle, Kaysville, Utah 4937.

NIEMIEC, DR. LEON J(OSEPH). Health Science Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Exec. secy, dent. training cmt, Nat. Inst. Dent. Res, 69- Address: 4411 Westbrook Lane, Kensington, Md. 20

NIEVES-FALCON, DR. LUIS, b. Bayamon, P.R., Dec. 29, 29; m. 61. SOCIOL-OGY. B.A, Puerto Rico, 50; M.A, N.Y. Univ, 55; Ph.D. (sociol), London, 63. Instr. sociol. of ed, Puerto Rico, 55-60, asst. prof, 60-63, dir. ed. res. center, 63-65; dir. curriculum div, Commonwealth Dept. Ed, 65-66; assoc. prof. sociol, PUERTO RICO, SAN JUAN, 66-67, DIR. SOC. SCI. RES. CENTER, 67- Consult, P.R. Forum, Aspira, 60-66; Secy. Ed, Commonwealth P.R., 64-68. Fel. AAAS; fel. Sociol. Asn. Social mobility; educational institutions; occupational structure; poverty and dependence. Publ: Recruitment of higher education in Puerto Rico, Editorial Universitarial, 65, Inventario de Investigaciones sobre el niño puertorriqueño, Educación, 66 & Acción communal y educatión pre-escolar, Editorial Edil, 70. Address: 1503 Ashford Ave, Apt. 12-C, Santurce, P.R. 00908.

NIGRO, PROF. FELIX ANTHONY. Public Administration. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position & address: Prof. 69-, Dept. of Political Science, University of Georgia, 106 Le Conte Hall, Athens, Ga. 30601.

NIJIM, DR. BASHEER K(HALIL), b. Tulkarm, Palestine, Sept. 13, 36; U.S. citizen; m. 66; c. 1. GEGGRAPHY. B.A, Augustana Col. (III), 57; Hopkins, 57-58; Harvard, summer 58; M.A, Indiana, 59, Ph.D. (govt), 69. Asst. prof. GEOG, NORTHERN IOWA, 62-69, ASSOC. PROF. 69-, HEAD DEPT, 70-, acting head dept, 69-70. Vis. asst. prof. American Univ. Beirut, 66-67. Consult, Atlas of Bible Lands, World Pub. Co, 66- AAAS, Asn. Am. Geog; Am. Geog. Soc; Nat. Coun. Geog. Ed, Mid. East Inst; Mid. East Studies Asn. N. Am. Political geography, factors in conflict potential and conflict resolution; international factors of the conflict of Geography, University of Northern Iowa, Cedar Falls, Iowa 50613.

NIKIAS, DR. MATA KOUVARI, b. Athens, Greece, Jan. 22, 31; U.S. citizen; m. 60; c. 2. SOCIAL SCIENCES, DENTISTRY. Dr. dent. surg, Athens, 53; M.S. Columbia, 60; Ph.D. (sociomed. sci), 67. Res. clin. dent, Sotiria Hosp, Athens, Greece, 53–56; fel, Eastman Dent. Dispensary, Rochester, N.Y. 57–58; trainee epidemiol. & admin. med, sch. pub. health, Columbia, 61–63;

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NIKOLOFF, PROF. OLIVER MUMFORD, b. Cincinnati, Ohio, Apr. 7, 26; m. 51; c. 1. PSYCHOLOGY B.A, Cincinnati, 49, B.S. Ed, 51; M.S, Xavier (Ohio), 54, 61, Syracuse, 56-57, Ph.D. (psychol), 63. Teacher-counselor, sr. high sch, Ohio, 50-56; counseling psychologist, Vet. Admin, 57-58; sch. psychologist, Bd. Coop. Ed. Serv, N.Y, 58-61; PROF. sepc. ed, State Univ. N.Y. Col. Butfalo, 61-66; ED. PSYCHOL, STATE UNIV. N.Y. ALBANY, 68-Consult, psychologist, Bd. Coop. Ed. Serv, N.Y, 61-66; consult, Albany, Learning Disabilities Center, 66-68; N.Y. State Ed. Dept, 66; Rockland State Hosp, 68- U.S.A, 43-45. Psychol. Asn; Ed. Res. Asn; Coun. Except. Children. Education of emotionally disturbed children; learning in early childhood. Address: 5 Roberts Lane, Saratoga Springs, N.Y. 12866.

NIMAN, DR. JUDITH GARRETTSON, b. St. Louis, Mo, Apr. 4, 43; m. 69. PSYCHOLOGY, EDUCATION. B.A, Vassar Col., 65; M.A, Columbia, 66, Heft & Patterson fels, 66-67, Nat. Defense Ed. Act fel, 67-69, Ph.D. (develop. psychol), 69. Lectr. ED. FOUND, HUNTER COL, 68-69, ASST. PROF, 69- Development of classification skills in elementary school children; meaning of reliability in tests of cognitive development; children's cognitive styles, especially as related to intelligence; what factors make words difficult. Publ: Cognitive style and logical thinking, J. Genetic Psychol, (in press). Address: Dept. of Educational Foundations, Hunter College, 695 Park Ave, New York, N.Y. 10021.

NIMMER, PROF. MELVILLE BERNARD. Copyright Law, Constitutional Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

NISH, PROF. WILLIAM W(ALTER). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chmn, 70-, Dept. of Psychology, Georgia College at Milledgeville, Milledgeville, Ga. 31061.

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NISSENSON, DR. MARC. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Clin. psychologist, 68-; consult. ed. develop. center, New Trier High Sch, Winnetka & Divorce Conciliation Serv, Cook County, III. Address: 966 Princeton Ave, Highland Park, III. 60035.

NITSCH, PROF. THOMAS O(TTO). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. econ, 69-, Dept. of Economics & Finance, Creighton University, Omaha, Nebr. 68131.

NIXON, DR. JOHN WAYNE, b. Mt. Airy, N.C, Aug. 1, 37; m. 60; c. 2. AGRI-CULTURAL ECONOMICS. B.S, Berea Col, 59; M.S, N.C. State, 62; Ph.D. (agr. econ), Mich. State, 69. Res. asst, N.C. State, 59-62, res. assoc. domestic develop, 62-64; res. asst, Mich. State, 54-68, ASST. PROF. AGR. ECON. & RESOURCE ECON, GEORGIA, 68- Agr. Econ. Asn. Resource economics, especially labor underemployment, individual earnings and human resource adjustment potential; teaching natural resource economics and policy. Publ: Co-auth, Optimum market age and weight of broilers, N.C. State Exp. Sta, 63 & Characteristics and problems of peanut marketing, Ga. Exp. Sta, 63 & Address; Dept. of Agricultural Economics, University of Georgia, Athens, Ga. 30601.

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NOBLE, ROBERT VERNON. See Suppl. V to 11th ed, Phys. & Biol. Vols.

NOBLE, DR. WILLIAM CHARLES, b. Toronto, Ont, May 1, 41; m. 66; c. 2. ANTHROPOLOGY. B.A. Toronto, 64; Imp. 0il fel, Calgary, 68, Can. Coun. fel, 67-68, Ph.D. (archaeol), 68. Lectr. ANTHROP, McMASTER, 68-69, ASST. PRUF, 69- Soc. Am. Archaeol; Arctic Inst. N. Am; Can. Archaeol. Asn. Sub-arctic boreal forest archaeology; Iroquois archaeology and ethnohistory. Publ: The excavation and historical identification of Rocky Mountain House, Nat. Hist. Sites, Ottawa, 70; Some social implications of the Iroquois in situ theory, Ont. Archaeol., 62. Address: Dept. of Anthropology, McMaster University, Hamilton, Oni, Can.

NOBLIN, DR. CHARLES D(ONALD). Psychology. See L-Z Vol, 11th ed., Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Psychology, Virginia Commonwealth University, Richmond, Va. 23220.

NOGEE, DR. PHILIP. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Independent consult. psychologist, 68- Address: 1035A Beacon St, Brookline, Mass. 02146. NOLFI, DR. GEORGE JOSEPH, JR, b. Boston, Mass, June 3, 41; m; c. 1. OR-GANIC CHEMISTRY, PUBLIC ADMINISTRATION. B.S, California, Berkeley, 62; Nat. Sci. Found. fel, Mass. Inst. Tech, 62-65, Ph.D. (Jorg. chem), 65; Admin. fel, Harvard, 65-67, M.P.A., 67. Summers, engr, Bur. Sanit, Dept. Pub. Works, Calif., 59 & 60, res. chemist, Don Baxter, Inc, 61, res. center, Union Oil Co, 62 & budget exam, U.S. Bur. Budget, Exec. Off. President, Wash, D.C, 66; consult, pub. admin, Harbridge House, Inc, Mass, 67-68; soc. scientist, ABT ASSOCS, INC, 68, DEPUTY MGR. RES. & DEVELOP, PLANNING & TECH. FORECASTING, 68- AAAS; Chem. Soc; Soc. Pub. Admin; Inst. Biol. Sci. Consulting and research on planning, forecasting and management of research and development for government and industrial clients; study of the impact of science and technology on public policy and social change. Publ: Radical anions of adamantane and hexamethylenetetramine, J. Am. Chem. Soc, 85: 3707; Electron spin resonance studies of organic free radical species, M.T., 10/65; On the status of aliphatic radical anions fer radical species, M.T., 10/65; On the status of aliphatic radical anions. Tetrahedron Letters, 34: 4063. Address: Abt Associates, Inc, 55 Wheeler St, Cambridge, Mass. 02138.

NOLL, DR. ROGER CORDON, b. Monterey Park, Calif, Mar. 13, 40; m. 62; c. 1. ECONOMICS. B.S, Calif. Inst. Tech, 62; A.M, Harvard, 65, Ph.D. (econ), 67. Instr. ECON, CALIF. INST. TECH, 65-67, asst. prof. 67-69, ASSOC. PROF, 69- Sr. economist, Coun. Econ. Adv, 67-69; sr. fel, Brookings Inst, 70-71. Consult, Ford Found, 68-69; consult. economist, Jet Propulsion Lab, 69. Econ. Asn. Urban affairs and poverty; economic theories of political behavior; regulated industries; environmental problems; microeconomic theory. Publ. Urban concentration; prospects and implications, Farm Found, 69; Metropolitan employment and population distribution and the conditions of the urban poor, in: The urban affairs annual review, Sage Publ. 70; Poverty, economic security and the labor market, Wadsworth, (in prep). Address: Brookings Institution, 1775 Massachusetts Ave. N.W, Washington, D.C. 20035.

NOLTE, DR. HERBERT WILLIAM. Counseling Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prog. dir, 69-, Jackson-Hillsdale Community Mental Health Services Bd, 2017 Fourth St, Jackson, Mich. 49203.

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NOONE, DR. DONALD J(OHN), b. Jersey City, N.J., Aug. 21, 35; m. 65; c. 2. SOCIOLOGY, B.S., St. Peters Col., 57; Ph.L., Fordham, 62; M.A., Rutgers, 66, Ph.D. (sociol), 69. RES. ASSOC. SOCIOL. MED. COL., CORNELL, 68- Vis. lectr, Cornell Univ-N.Y. Hosp. Sch. Nursing, 68-69. AAAS; Sociol. Asn; Soc. Study Social Probs. Teacher and school board relationships; occupations and professions; complex organizations; sociology of education. Publ: School board vs. teachers—changing power relations in a school system, Inst. Mgt. & Labor Rels, Rutgers Univ, 70. Address: 4 Sweetbriar Rd, Somerset, N.J. 08873.

NOORI, DR. HOSSEIN. Psychology, Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Education, Tuskegee Institute, Ala. 36088.

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NORDQUIST, DR. SUE LE FEBVRE, b. Spokane, Wash, June 15, 37; m. 57. PSYCHOLOGY. B.A, Texas Christian, 57, M.A, 58, fel, 61-63, Ph.D. (psychol), 63. Asst. PSYCHOL, Texas Christian, 60-61; asst. prof, Texas Woman's Univ, 63-66; ASSOC. PROF, TARRANT COUNTY JR. COL, 66-Private practice clin. psychol, 66- Consult, Family Serv. Asn. AAAS; Psychol. Asn. Family counselor. Address: 5713 Trail Lake Dr, Ft. Worth, Tex. 76133.

NORDSTROM, DR. CARL A, b. Brooklyn, N.Y, Sept. 28, 19; m. 43; c. 4. ECO-NOMICS. A.B, Antioch Col, 46; M.A, Columbia, 49; Ph.D. (econ), New Sch. Soc. Res, 57. ASSOC. PROF. ECON, BROOKLYN COU., 49 - U.S.A, 41-46; Res, 46-55, Lt. Col.(Ret). Econ. Asn. Educational environments; economic history of a village community in eastern United States, with special reference to Turner frontier thesis and black-white relationships, using a phenomenological, dialectical approach. Publ: Co-auth, Why successful students of the natural sciences abandon careers in science, 61 & Influence of ressentiment under the student experience in secondary school, 65, Brooklyn Col; Co-auth, Society's children: a study of ressentiment in the secondary school, Random, 67. Address: 78 Smith Ave, South Nyack, N.Y. 10962.

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MANAGEMENT, BUSINESS ADMINISTRATION. B.S., Northeastern, 41; S.M.,
Mass. Inst. Tech, 47. Instr. mgt, Northeastern, 47-48; indust. eng. & mgt,
Mass. Inst. Tech, 48-50; asst. prof. mgt, Clark, 50-57; assoc. prof. indust.
eng, Northeastern, 57-60; prof. bus. admin, U.S. Agency Int. Develop. Brazil
Proj. Mich. State; assoc. prof. mgt, BOWLING GREEN STATE, 66-67, chmn.
dept. mgt, 67-68, DIR. MGT. CENTER, 68- U.S.N.R, 41-46, Lt. Comdr.
Am. Acad. Arts & Sci. Establishing courses and performing research services for institutional and environmental development in northwest Chio.
Publ: Amostragem do trabalho, Revista Administração Emprêsas, Brazil,

62; A razao da engenharia industrial, Engenharia Rio Grande do Sol, 66. Address: Dept. of Management, Bowling Green State University, Bowling Green, Ohio 43402.

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NORSWORTHY, DR. DAVID RAY. Sociology, Demography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 68-, Dept. of Sociology, Whitman College, Walla Walla, Wash. 99362.

NORTH. PROF. RONALD MORRIS, b. Stockton, Ga, Jan. 2, 34; m. 56; c. 3. FINANCE. B.S., Clemson, 54, Ph.D.(agr. econ, econ. theory), 65; M.S. Cornell, 37; Nat. Sci. Found. short courses, Utah State, 66, New Mexico State, 67 & 69. Res. asst. mtt. Clemson, 61-63; asst. prof. linance & water resources, Georgia, 63-68, assoc. prof. 68-69; PROF. FINANCE & DIR. ECON. DEVELOP. CENTER, WESTERN CAROLINA, 69- Lett, Inst. Law & Govt, Univ. Georgia & U.S. Planning Prog-Civil Serv. Cmn, 65-66; prog. planning & eval. for Off. Econ. Opportunity staffs, Clark Col. 68-69; consult. & tech. asst. pdnel mem, Res. Group, Inc, Ga, 66- U.S.A.F., 55-61, Res, 61-, Lt. Geophys. Union; Agr. Econ. Asn. Public and private systems of environmental quality control; demands for water resources and services; financing water resources development; planning programming budgeting systems. Publ: Consumer responses to prices of residential water, Am. Water Res. Asn. 67; co-auth, The price and consumption of water for residential use in Georgia, Bur. Bus. & Econ. Res., 67; auth, Market modifications and the government grants economy, Econ. Air & Water Pollution, 69. Address: Economic Development Center, Western Carolina University, Cullowhee, N.C. 28723.

NORTHWALL, DR. JOHN H, b. Kansas City, Mo, May 25, 27; m. 51; c. 4. SPEECH. B.A, Iowa, 48; B.D, Wartburg Sem, 51, S.T.M, 68; M.A, Denver, 67; Ph.D.(speech), Colorado, 69. Pastor, Am. Lutheran Church, 51-68; ASSOC. PROF. SPEECH, DANA COL, 68. Interpersonal relationships and communication barriers. Address: Dept. of Speech, Dana College, Blair, Nebr. 68008.

NORTHWAY, DR. MARY L(OUISE). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Coordinator 69-, Brora Centre, 245 Davenport Rd, Toronto 180, Ont, Can.

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ECON, YALE, 66-67, mem. res. staff, 67-68, ASST. PROF, 68- Econ. Asn. Economic development: factors affecting agricultural supply; economic development of Iran since 1920. Publ: Time and factor costs in agricultural production, Indian Econ. Rev, 4/67; Regional and crop-wise pattern of growth of per acre output in India, Oxford Univ. Bull. Econ. & Statist, 2/70. Address: Dept. of Economics, Yale University, 52 Hillhouse Ave, New Haven, Conn. 06520.

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Soc. Economic development, planning and theory. Publ. Planning the optimal development of the Greek economy, Center Planning & Econ. Res, 66;
Investment criteria, economic thought and development strategies in
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theory of journalism, Journalism Quart, autumn 67; co-auth, National survey of public information programs in state departments of education, Proj. Pub. Info, 68. Address: 1434 Marhill Rd, Green Bay, Wis. 54304.

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- O'KANE, DR. JAMES MICHAEL, b. Brooklyn, N.Y., June 12, 41; m. 66; c. 1. SOCIOLOGY, B.A. St. Francis Col. 62; Jewish Guild for Blind fel, Columbia, 63, Mobilization for Youth fel, 64, M.S. 64; Ph. D. (ed. Sociol), N.Y. Univ. 68. Instr. SOCIOL, St. Francis Col. 64-67; DREW, 67-68, ASST. PROF, 68-Dept. community affairs, State N.J. grant, 70. Consult, Victoria Found, N.J. 68-Sociol. Asn. Relationship between social class position and political ideology; characteristics of upward mobility of ethnic groups. Publ: Ethnic mobility and lower income Negro, Soc. Probs. winter 69; Poverty and employment—a socio historical overview, Dialogist, 12/69; Economic and non-economic liberalism, upward mobility potential and Catholic working class youth, Soc. Forces, 6/70. Address: Dept. of Sociology, Drew University, Madison, N.J. 07940.
- OKES, IMOGENE ESTA, b. Terre Haute, Ind. COMMUNICATIONS. B.S. Indiana State, 44; M.A., American Univ, 60. Librarian, clerk & ed. Am. Embassy, Chungking & Nanking, China, 45-48; U.S. Navy, Peking, 48-49, Oslo, Norway, 50-52; groupworker & pub. rels. rep, Int. Inst, Calif., 55-56; res. assoc. psychol. opers. Southeast Asia, Spec. Opers. Res. Off, American Univ, 57-61; researcher int. rels, Inst. Defense Anal, D.C, 62-63; ED. SPECIALIST, U.S. OPF. ED, 65- Instr. Ghiling Girls Col, Nanking, 47; guest lectr, For. Serv. Inst, U.S. Dept. State, D.C, 61-62. Consult, Human Sci. Res, Va, 64. Participant, Alghamistan conf., Princeton, 60; Worldwide Psychol. Opers. Conf. D.C, 63. AAAS; Sociol. Asn; Statist. Asn; Adult Ed. Asn. U.S, Asn. Ed. Data Syste; Ed. Res. Asn; Asn. Instal. Res; Opers. Res. Soc. Am; inst. Mgt. Sci; Acad. Polit. & Soc. Sci; Polit. Sci. Asn; Asn. Asian Studies; Int. Studies Asn. Tibet Soc. Adult education surveys; educational data systems; cross cultural communications; interpersonal and mass media operations in Southeast Asia and Communist China. Publ. Psychological operations—Afghanistan—Project PROSYMS, U.S. Dept. Army, 61; Participation in adult edu-

cation, U.S. Off. Ed, 70; Effective communications by Americans with Thai, Journalism Quart, 61. Address: U.S. Office of Education, 400 Maryland Ave, S.W. Washington, D.C. 20202.

OLCHYK, DR. OSCAR, b. Havana, Cuba, Feb. 15, 27; U.S. citizen; m. 58; c. 2. ACCOUNTING, BUSNESS ADMINISTRATION. C. P. A, Havana, 51, D. C. S, 56; Ford fel, Indiana, Bloomington, summer 63; M. B. A, North Texas State, 64. Instrauditing, Havana, 55-59, asst. prof. 59-60; sr. acct. Edwin Lax, Tex, 61; lectr. acct. & econ, Dallas, 61-62, instr, 62-63, asst, 63-65; asst. prof. ACCT. & BUS. ADMIN, BISHOP COL. 65-67, assto, prof. 67-68, PROF, 68-CHMN. DIV. BUS, 67- Sr. partner, Blazquez & Olchyk, Havana, Cuba, 52-60. Consult, Philip Yogel & Co, Tex, 66-67; Arthur Andersen & Co, Calli, Colombia, summer 69. Am. Acct. Asn. International accounting and taxation; Latin American teaching and practice of accounting and taxation; Latin American teaching and practice of accounting and tax, business teaching to minority groups. Publ: The international dimension of accounting in the curriculum. Collegiate News & Views. Address: 11814 High Valley Dr, Dallas, Tex. 75234.

OLDENBURG, DR. RAMON, b. Apr. 7, 32; U.S. citizen; m. 66. SOCIOLOGY. B.S. Mankato State Col, 54; M.A. Minnesota, Minneapolis, 65, Ph.D. (sociol), 68. Instr. sociol, Minnesota, 63-65; asst. prof, Stout State, 65-66; Nevada, Reno, 66-67; WEST FLORIDA, 67-66, ASSOC PROF, SOCIOL. & CHMN. DEPT, 68- Proj, dir, U.S. Dept. Health, Ed. & Welfare, 61-63; acad. counsr, South. Regional Ed. Bd. res. internships, summer 68. U.S.A, 54-56. The sociology of leisure and urban analysis. Publ: Co-auth, Professional wrestling, hi: Motivations in play, games and sports, C.C. Thomas, 68. Address: Dept. of Sociology, University of West Florida, Pensacola, Fla. 32504.

OLDER, DR. HARRY J(AY). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Exec. v.pres, 70-, Biotechnology Inc, 3027 Rosemary Lane, Falls Church, Va. 22042.

OLDMAN, PROF. OLIVER. Law, Economics. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

O'LEARY, DR. K(E1TH) DANIEL, b. West Chester, Pa, Oct. 3, 40; m. 65; c. 1. PSYCHOLOGY. B. A. Pa, State, 62; U.S. Pub. Health Serv. fel, Illinois, 62-64, M.A. 65, Ph. D. (psychol), 67. Instr. PSYCHOL, Illinois, Urbana, 66-67, asst. prof., 67; STATE UNIV. N.Y. STONY BROOK, 67-70, ASSOC. PROF. 70-Consult, Parent training prog. Urbana, Ill., 68-69; N.Y. City Pub. Sch. proj., 69, Islip Schs, 69-7, Ocean-Hill Brownsville follow-through prog, 69-Psychol. Asn; Soc Res. Child Develop. Token reinforcement programs; self control; punishment. Publ. Co-auth, Behavior modification of an adjustment class: a token reinforcement program, Except. Children, 33: 637-642; auth, Diagnosis of children's behavior problems, In: Behavior disorders of children, Wiley, (in press); co-auth, Token reinforcement programs in classrooms: an evaluation, Psychol. Bull, (in press). Address: Dept. of Psychology, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.

OLEON, DR. SALLY J(OY), b. Pittsburgh, Pa. POLITICAL SCIENCE. A.B., Pittsburgh, 48, M.Ed., 50, Ph.D. (polit. sci), 58. Res. asst, grad. sch. pub. & int. affairs, Pittsburgh, 58-60; sr. scientist, Mgt. Res. Projs, D.C., 60-61; analyst, Adv. Cmn. Intergovt. Rels, 61-63; asst. to v.pres, George Washington Dini, 63-65; spec. asst, Am. Coun. Ed, 65-65; prog. officer, Ford Found, 66-69; RES. COORDINATOR, RES. FOUND, CITY UNIV. NEW YORK, 69-Asst. prof. & letcri, George Washington, 61-65; Washington intern. ed, 65-66. Consult, Ford Found, Prep, Inc. & Coop. Col. Develop. Prog., 69-Polit. Sci. Ass., Soc. Pub. Admin; Asn. Higher Ed; Nat. Coun. Univ. Res. Adminstr. Intergovernmental relations; adult continuing education. Publ: Records essential for identification, Off. Civil & Defense Mobilization, 61; co-auth, Performance of urban functions: local and areawide, Adv. Cmn. Intergovt. Rels, 63; auth, Changing patterns in continuing education for business, Center Study Lib. Ed. for Adults, 67. Address: 340 E. 64th St, New York, N.Y. 10021.

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OLIVE, DR. LOIS ELAINE HOWSDEN. Counseling & Educational Psychology. See L.-Z Vol., 11th ed, Soc. & Behav. Vols. Change of address: 5129 Shenandoah Ave, Los Angeles, Calif. 90056.

OLIVER, PROF. CLIFTON, JR. Business Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: P.O. Box 14505, Univ. Station, Gainesville, Fla. 32601.

OLIVER, PROF. COVEY T(HOMAS), b. Laredo, Tex, Apr. 21, 13; m. 46; c. 5. NYERNATIONAL LAW. A. B., Texas, 33, Ll. B, 36; fel, Columbia, 41, Ll. M 53, J.S. D, 54. Asst. prof. law, Texas, 36-38, assoc. prof, 38-48; sr. attorney, Bur. Econ. Warfare, 42; spec. asst. to ambassador & chief econ. controls sect, Am. Embassy, Madrid, Spain, 42-44, assoc. chief & div. chief, U.S. Dept. State, 45-49; prof. LAW, SCR. LAW, California, 49-56, Johnson prof, 56, chm. tnst. int. stud, 55-56; PROF, PENNSYLVANIA, 56- U.S.

deleg, Coun. For. Ministers & World War II Peace Confs, 48-49; Carnegie Endowment lectr, Hague Acad. Ini. Law, 55; vis. prof. Pennsylvania, 56-57; assoc. reporter, restatement for rel. law U.S, Am. Law Inst, 62; Fulbright lectr, faculty law, Sao Paulo, 63; mem, Inter-Am. Juridical Cmt, Orgn. Am. States, 63, 65-66; U.S. Ambassador to Colombia, 64-66; Asst. Secy. of State for Interam. Affairs & U.S. Coordinator of the Alliance for Progress, 67-68. Consult, U.S. Dept. State, 50-52; Rand Corp, 66-67. Polit. Sci. Asn; Acad. Polit. & Soc. Sci. Soc. Int. Law. Psychological aspects of international relations between developed and developing nations; the development process; systems management in foreign affairs operations. Publ: Contemporary problems of treaty law, In: Recueil des Cours; Reflections on two recent developments affecting the role of law in the international community, In: Law and politics. Address: School of Law, University of Pennsylvania, Philadelphia, Pa. 19104.

OLIVER, DR. DOUGLAS L(EWELLYN). Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Split appt. beginning 1970: Prof. anthrop, Harvard, Jan-Sept. & Hawaii, Sept-Jan. Address: Dept. of Anthropology, University of Hawaii, Honolulu, Hawaii 98622.

OLIVER, PROF. LEAVY W. b. Marion, Ala, Dec. 6, 19; m. 64; c. 3. POLITICAL SCIENCE, SOCIOLOGY. A.B. Miles Col. 42; M.A. Indiana, 52, Ph.D. (polit sci), 55; cert. Am. hist, Carnegie Inst. Tech, summer 54. Training officer, U.S. Govt, 51-52; prof. polit. sci, Miles Col, 62-53; Grambling Col, 53-57; Jackson State Col. 57: 56; Ala. Agr. & Mech. Col., 58-60; head dept. soc. sci, Miles Col, 60-64; head dept. hist. & govt, St. Augustine's Col., 64-67; head dept. socioli, Wilberforce, 67-68; PROF. POLIT. SCI, MILES COL., 68- Sr. polit. sci. analyst, South. Res. Inst, Birmingham, Ala. U.S.A. 42-46, T/Sgt. Hist. Asn; Polit. Sci. Asn; Sociol. Asn. Publ: The teaching of government in a dynamic society, J. Soc. Sci. Teachers, 4/58; The socio-economic status of the Birmingham Negro, 4/66 & The impact of the 14th Amendment on civil rights in the Great Society, 4/68, J. Higher Ed. Among Negroes. Address: Dept. of Political Science, Miles College, Birmingham, Ala. 35204

OLIVER, PROF. W(ILLIAM) DONALD. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

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OLSEN, DR. KENNETH M, b. Oak Park, Ill, Mar. 7, 28; m. 54; c. 3. SOCIOLOGY. B.A, Col. Wooster, 59; Roosevelt, 53; M.A, Chicago, 58; trainee, 59-60, Ph.D. (human develop), 69. Teacher physics & math, Tarsus Am. Col. Turkey, 50-52; group worker, Kenwood-Ellis Community Center, Ill, 53-54; Jewish Community Centers of Chicago, 54; -59; res. assoc, cmt. human develop, Univ. Chicago, 60:62; asst. prof. sociol. & acting chmn. dept, ST. OLAF COL, 62-63, asst. prof. soCiOL, 63-69, ASSOC. PROF, 69. Sociol. Asn, Nat. Coun. Family Rels. Cross-cultural and subcultural variations in social age differentiation; age grading; timing of major role changes in adulthood; social psychology of maturation and aging. Address: 214 Manitou St, Northfield, Minn. 55057.

OLSEN, DR. OLE, b. Copenhagen, Denmark, Aug. 22, 38; m. 62; c. 1. MAR-KETING, MANAGEMENT. M.B.A, Wisconsin, 63, Ph.D. (mkt), 65. ASSOC. PROF. MGT, COL. INDUST. MGT, GA. INST. TECH, 68- AAAS; Mkt. Asn; Statist. Asn; Inst. Mgt. Sci; Brit. Soc. Long Range Planning. Strategic planning; science policy. Address: College of Industrial Management, Georgia Institute of Technology, Atlanta, Ga. 30332.

OLSEN, DR. RICHARD J, b. Plainfield, N.J, Apr. 2, 40; m. 69. ECONOMICS. B.B.A, Pace Col, 61; M.A, Rutgers, 64, Ph.D.(econ), 67. Instr. ECON, Massachusetts, 65-67, ASST. PROF, 67-69; TENNESSEE, 69- Consult, Oak Ridge Nat. Lab, 70- Economet. Soc; Econ. Asn. The application of quantitative methods to problems in the areas of urban economics, health care delivery systems and industrial structure. Address: Dept. of Economics, University of Tennessee College of Business Administration, Knoxville, Tenn. 37916.

OLSEN, DR. ROGER LEE, b. Mason City, Iowa, June 28, 39; m. 63; c. 2. PSYCHOLOGY. B.A, St. Olaf Col, 62; M.A, South Dakota, 63; Ph.D, Southern Illinois, 68. Psychologist, Luthern Children's Home, 63-64; asst. prof. psychol, Cent. Col. (Iowa), 64; med. res. assoc. operant conditioning, Anna State Hosp, III, 67; ASST. PROF. PSYCHOL. & CHMN. DEPT, ILL. WESLEYAN, 68- Consult, Jacksonville State Hosp, III, 68-, Adolf Meyer Zone Center, 68- Psychol. Asn. Behavior modification, specifically the application of learning theory principles to education and treatment. Publ. Co-auth, Conditioned suppression as a sensitive baseline for social facilitation, J. Exp. Anal. Behav, 68. Address: Dept. of Psychology, Illinois Wesleyan University, Bloomington, III. 61701.

OLSON, DR. CARL EDMUND, b. Northampton, Mass, Sept. 14, 37; m. 63; c. 2. AGRICULTURAL ECONOMICS, ECONOMICS. B.S, Wisconsin, 61; M.S, Montana State 63; Resources for Future fel, Okla, State, 65 & 66, Ph.D.(agr. econ), 67. Asst. prof. AGR. ECON, N.Dak. State, 66-69, ASSOC. PROF, summer 69; WYOMING, 69- Instr., Agency Int. Develop, summer insts. N.Dak. State Univ, 68 & 69. Agr. Econ. Asn. Production economics; agricultural policy; regional and area economics; tarm management and economic interdependence. Publ: Co-auth, Determining least cost machinery combination, N.Dak. State Univ. Bull, 1/69; auth, A technique of identifying the aggregate economic impact of farm enlargement, N.Dak. State Univ. Res. Report, 10/69; Agricultural adjustments and area economic interdependence, J. Farm Econ, 12/66. Address: Division of Agricultural Economics, University of Wyoming, Box 3354, University Station, Laramie, Wyo. 82070.

OLSON, DR. DAVID RICHARD, b. Saskatoon, Sask, June 16, 35; m. 58; c. 5. PSYCHOLOGY, EDUCATION. B.Ed, Saskatchewan, 60; W.J. Gage fel, Alberta, 61-62, M.Ed, 62, Carnegie fel, 62-63, Ph.D.(learning & cognition), 63. Asst.

prof. ed. psychol, Dalhousie, 63-65; Can. Coun. res. fel. cognitive develop, center cognitive studies, Harvard, 65-66; ASSOC. PROF. LANG. & COCMITIVE DEVELOP, ONT. INST. STUDIES IN ED, 66- Can. Coun. leave fel, center res. on teaching, Stanford, 69-70; res. fel. cognitive develop, center cognitive studies, Harvard, summer 64. Can. Psychol. Asn. Publ. Cognitive development: the child's acquisition of diagonality, Acad. Press, 70; co-auth, Conceptual differentiation: quantity and pouring time, Can. J. Behav. Sci, 69; auth, Language and thought: aspects of a cognitive theory of semantics, Psychol. Rev., 70. Address: Dept. of Applied Psychology, Ontario Institute for Studies in Education, 252 Bloor St. W, Toronto 5, Ont, Can.

- OLSON, DR. ERIC H(ERBERT). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Chmm. personnel & finance cmt, Kenosha County Bd. Supvr. Address: Dept. of Political Science, Carthage College, Kenosha, Wis. 53104.
- OLSON, DR. FRED LEWIS, b. Cumberland, Wis, June 24, 28; m. 57; c. 3.

 AGRICULTURAL ECONOMICS. B.S, River Falls State Teachers Col., 50;
 M.S, Minnesota, 55, Ph.D. (agr. econ), 62. Mkt. asst, Minnesota, 54-59,
 asst, dairy mkt, 54-59; asst, prof. mkt, Nebraska, Lincoln, 58-65; assoc,
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- OLSON, IRENE M(ARION). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Counseling psychologist, 68-, Veterans Administration, 342 N. Water St, Milwaukee, Wisc. 53201.
- OLSON, DR. JOSEPHINE E, b. Bronxville, N.Y., Aug., 25, 42. ECONOMICS.
 A.B. Wellesley Col., 64; Ford Found, & Nat. Sci. Found, fels, Brown, 65-69,
 Ph.D. (econ), 69. Res. asst. econ. Fed. Reserve Bank N.Y., 64; econ. asst.
 transportation, Interstate Commerce Crm, 67-68; res. asst. Delbert M.
 Steiner, Transportation Consult, summer 68; ASST. PROF. ECON, BARUCH
 COL., 69- Econ. Asn. Transportation; international trade; microeconomics.
 Address: Dept. of Economics, Bernard M. Baruch College, 17 Lexington Ave,
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- OLSON, KENNETH G(EORGE). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Independent consult, 69- Address: 250 M St. S.W, Washington, D.C. 20024.
- OLSON, DR. NORMAN C, b. Tainter, Wis, July 28, 20; m. 44; c. 3. ORGANIZATIONAL BEHAVIOR & ECONOMICS. B.S. Wisconsin, 47, M.S., 48 & 49, Ph.D.(ed), 59. Asst. prof. econ, Concordia Col. (Moorhead, Minn), 49-52; persomel adminstr, Wis. Power & Light Co, Madison, 52-59; assoc. prof. bus. admin, Western Illinois, 59-61; mgt. insts, Wisconsin, 61-66; DEAN SCH. BUS, WIS. STATE, EAU CLAIRE, 66- Econ. Asn. Basic criteria for management development programs and organizational behavior. Address: School of Business, Wisconsin State University, Eau Claire, Wis. 54701.
- OLSON, PROF. PHILIP G(ILBERT). Sociology, Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn, 69-, Dept. of Sociology, University of Missouri at Kansas City, 5225 Charlotte, Kansas City, Mo. 64110.
- OLSON, DEAN WALTER, b. Yakima, Wash, May 16, 24; m. 57; c. 3. GEOGRAPHY, ECONOMICS. A.B. Washington (Seattle), 47; M.A. Col. Puget Sound, 49; Ph.D. (geog, econ), Syracuse, 56. Assoc. prof. geog. San Francisco State Col., 55-62 & 63-64; vis. prof. admin, Wisconsin, 62-63; asst. to pres, Mills Col., 64-66; prof. geog, San Francisco State Col., 66-70; DEAN ARTS & SCI, WESTERN ILLINOIS, 70- Nat. Defense Ed. Act fel, Northwestern Univ, summer 61; Ellis L. Phillips Found. fel, Univ. Wisconsin, 62-63; Dir. Nat. Defense Ed. Act finst. Geog. Calif, summers 66 & 67. U.S.N., 43-46; U.S.A.F.R, 51-61, Capt. Asn. Am. Geog; Asn. Pac. Coast Geog. Economic geography: California geography. Publ: Climates of the Bay area, Landscape Archit, 58; Changing patterns of tomato production in California, Calif. Geog., 68. Address: College of Arts & Sciences, Western Illinois University, Macomb, Ill. 61455.
- OLSON, PROF. WILLARD C(LIFFORD). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: No longer dean sch. ed, Michigan, 70. Address: 301 Barton Shore Dr., Ann Arbor, Mich. 48105.
- OLTMAN, DR. RUTH MARIE. Counseling, Industrial Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Staff assoc. higher ed, 89-, American Association of University Women, 2401 Virginia Ave, Washington, D.C. 20037.
- OLTON, DR. DAVID STUART, b. Montelaire, N.J. Jan. 15, 43; m. 65. PHYS-IOLOGICAL PSYCHOLOGY. B.A. Haverford Col, 64; M.A. Michigan, 66, Ph.D. (psychol), 69; Florida, 68-69; Teaching asst. PSYCHOL, Michigan, 66-67; ASST. PROF, HOPKINS, 69- AAAS. Limbic system and subcortical brain mechanisms; avoidance behavior. Publ: Co-auth, Importance of spatial location in active avoidance tasks, J. Comp. & Physiol. Psychol, 65: 535-539; co-auth, Hippocampal lesions and avoidance behavior, 3: 719-724 & auth, Specific deficits in avoidance behavior following penicillin injections into hippocampus, 70, Physiol. & Behav. Address: Dept. of Psychology, Johns Hopkins University, Baltimore, Md. 21218.
- OLTON, PROF. ROY. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Dept. of Political Science, Western Michigan University, Kalamazoo, Mich. 49001.
- O'MALLEY, DR. MICHAEL HOLMES, b. New York, N.Y, Oct. 29, 37; m. 60; c. 2. COMMUNICATION SCIENCE, LINGUISTICS. B.S, Calif. Inst. Tech,

- 60, M.S, 61; M.A, Michigan, 63, Ph.D.(commun. sci), 68. Lectr. commun. sci, MICHIGAN, 67-68, ASST. PROF. COMMUN. SCI. & LING, 68- Ling. Soc. Am; Asn. Comput. Ling; Acoustical Soc. Am. Theories of syntax, semantics and speech analysis and synthesis. Publ: Co-auth, An experimental method for prosedic analysis, Phonetica, 66 & Multi-rooted vines in semantic representation, Papers from Regional Meeting, Chicago Ling. Soc. 69; auth, An experimental evaluation of several linguistic hypotheses, Natural Lang, Studies 2, Univ. Michigan, 69. Address: Dept. of Linguistics, University of Michigan, 186 Frieze, Ann Arbor, Mich. 48104.
- O'NEAL, DR. EDGAR (CARL), b. St. Louis, Mo. Apr. 30; 39; m. 63; c. 1. SOCIAL PSYCHOLOGY. B. A. Duke, 61; B. D. Drew, 63; Ph. D. (neychol), Missouri, 69. Res. asst, center study of higher Ed. Hofstra, 65-66; ASST. PROF. PSYCHOL, TULANE, 69. Psychol. Asn; Soc. Psychol. Study Social Issues; N.Y. Acad, Sci. Person perception; attitude organization and change: aggression; behavior in religious institutions. Publ. Co-auth, Generalization gradients obtained from individual subjects following classical conditioning. J. Exp. Psychol. 78: 171-174; auth, Activation of cue-elicited aggression by general arousal, J. Personality & Soc. Psychol, 11: 289-282 & The influence of anticipated choice on the halo effect, J. Exp. Soc. Psychol., 5: 347-351. Address: Dept. of Psychology, Tulane University, New Orleans, La. 70118.
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- O'NEILL, DR. JOHN ROY, b. Jefferson Barracks, Mo, Sept. 30, 34; m. 57; c. 4. POLITICAL SCIENCE. A.B. Fresno State Col. 62; fel. & Ph.D. (govt), Claremont Grad. Sch. 67. Instr. GOVT, Chapman Col. 65-66, World Campus Afloat-Chapman Col. 65-67, CHAPMAN COL, 67, ASST. PROF. & CHMN. DEPT, 67- Nat. Sci. Found. Inst. & Health, Ed. & Welfare self study grant, summer 68. Mem, urban affairs cmt. South. Conf. Disciples of Christ, 69-U.S.M.C, 53-60, Sgt. Polit. Sci. Asn. Comparative governments of eastern Europe; political theory; methodology. Publ: Co-auth, World studies, Col. Serv, 68, 69 & 70. Address: 544 N. Center St, Orange, Calif. 92666.
- O'NEILL, SISTER MARY MARGARELLA, O.S.F, b. Philadelphia, Pa, Aug. 6, 19. SOCIOLOGY, ECONOMICS. M.S.N.Ed, Catholic Univ, 51, Ph.D. (sociol). 65. Teacher, parochial sch, Pa, 44-46; assoc. dir. nursing ed, Villanova, 51-56; dir. nursing serv, St. Francis Hosp, Trenton, N.J. 55-59; dir. nursing ed, St. Joseph Hosp, Lancaster, Pa, 59-62; ACAD DEAN, OUR LADY OF ANOELS COL, 66- Sociol. Asn. Address: Dept. of Sociology, Our Lady of Angels College, Glen Riddle, Pa. 1903.
- ONYEWU, DR. NICHOLAS DONATUS UKACHI. International Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir, 69-, Black Studies Program, Nassau Community College, Garden City, N.Y. 11530.
- OPLER, PROF. MARVIN K(AUFMANN). Anthropology, Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn. dept. anthrop, State Univ. N.Y. Buffalo, 69- Address: 22 Summerwood Court, Bufalo, N.Y. 14223.
- OPLER, PROF. MORRIS EDWARD. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Anthropology, University of Oklahoma, 506 Dale Hall, Norman, Okla. 73069.
- OPOCHINSKY, DR. SEYMOUR, b. New York, N.Y, Oct. 3, 32; m. 67; c. 1. PSYCHOLOGY. B.A, City Col. New York, 54, M.S, 57; Nat. Inst. Ment. Health fel, Colorado, 63-64, Ph.D.(clin. psychol), 65. Teaching fel. psychol, Colorado, 57-59, teaching assoc, 62-63; fel. clin. psychol, Children's Asthmatic Res. Inst. & Hosp, 59-69; clin. psychologist, Middlesex County Ment. Health Clin, 60-62; vis. asst. prof., PSYCHOL, Denver, 66-67, asst. prof., 67-68; ASSOC, PROF, MANITOBA, 68- US. Pub. Health Serv. consuit. clin. psychol, Fed. Youth Center, Englewood, Col., 65-68; Winnipeg Gen. Hosp, Man, 69- U.S.A, 34-56. AAAS; Psychol. Asn; Orthopsychat. Asn; Acad. Polit. & Soc. Sci. Child clinical psychology; interpersonal perception; community mental health; experimental psychopathology; personality; learning disabilities; child development; college teaching. Publ: Co-auth, College teaching a methodological study, J. Ed. Psychol, 58 & Needs structure and maladjustment, J. Soc. & Abnorm. Psychol, 62. Address: Dept. of Psychology, University of Manitoba, Winnipeg 19, Man, Can.
- OPPENHEIM, DR. HENRY. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behay. Vols. New position: Clin. psychologist, Vet. Admin. Hosp, Northampton, 68-, no longer coordinator clin. psychol. Address: Psychology Service, Veteran Administration Hospital, Northampton, Mass. 01060.
- OPPENHEIM, DR. RONALD WILLIAM. Psychology, Biology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- OPPENHEIMER, DR. JOHN R(EED). Ethology, Ecology. See Suppl. VI to 11th ed. Phys. & Biol. Vols.
- OPPENHEIMER, DR. MARTIN, b. Soest, Germany, July 24, 30; U.S. citizen; m. 61; c. 1. SOCIOLOGY. B.S, Temple, 52; M.A, Columbia, 53; Ph. D. (sociol), Pennsylvania, 63. Instr. soc. sci. Temple Community Col., 61-63; dir. studies prog, Am. Friends Serv. Cmt, 63-64; asst. prof. sociol, Haverford Col., 64-65; leetr, Bryn Mawr Col., 65-66; asst. prof. Vassar Col., 66-68: assoc. prof. SOCIOL. & chmn. dept, Lincoln (Pa), 68-70; ASSOC. PROF. LIVINGSTON COL, RUTGERS, 70- U.S.A, 33-55. Sociol. Asn; Soc. Study Social Probs. Social movements; collective behavior; race and ethnic relations; social change and revolution. Publ. Co-auth, A manual for direct action, 65 & auth, The urban guerrilla, 69, Quadrangle. Address: Dept. of Sociology, Livingston College, Rutgers, The State University, New Brunswick, N.J. 08903.
- OPPENHEIMER, DR. VALERIE. Sociology, Demography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Sociology, University of California, Los Angeles, Calif. 90024.

- OPPERMANN, LT. COL. EDWARD B, U.S.A.F, b. St. Louis, Mo, Jan. 19, 30; m. 53; c. 2. ECONOMICS, MANAGEMENT SCIENCE. B.S, U.S. Naval Acad, 53; M.B.A. U.S. Air FORCE Inst. Tech. 58; Ph.D. (con), Indiana, 65: U.S. AIR FORCE, 53-, instr. econ, U.S. AIR FORCE ACAD, 60-62, asst. prof. 65-66, assoc. prof. 66-69, DEPUTY HEAD DEPT. ECON. & MCT, 69- Economic theory, statistics; public finance. Address: Dept. of Economics & Management, U.S. Air Force Academy, Colorado Springs, Colo. 8040.
- OPTON, DR. EDWARD M(ILTON), JR. Psychology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Sr. res. psychologist, 69-, Wright Institute, 2728 Durant Ave. Berkeley, Calif. 94704.
- ORA, DR. JOHN P., JR. b. Oak Park, III, Mar. 31, 31; m. 64; c. 2. PSYCHOL-OGY. B. A. North Carolina, 60, M. A., 62; Ph. D. (psychol), Vanderbilt, 68. Instr. composition & introd. Iti. North Carolina, 62-63; intern psychol, med. center. Kansas, 67-68; ASST. PROF. ED. PSYCHOL. & PRACTICE CLIN. PSYCHOL, GEORGE PEABODY COL, 68-Proj. dir., Regional Intervention Proj. Preschoolers & Parents, U.S. Off. Ed, Bur. Ed. Handicapped, 69-Ord. C. U.S. A., 53-55. Psychol. Asn; Soc. Res. Child Develop. Functional analyses of early childhood behavior. Publ: Co-auth, Children's adoption of self-reward patterns: incentive level and method of transmission, Child Develop, 39: 537-544 Catch the child being good, Today's Ed, 59: 24-25. Address: Box 158, George Peabody College for Teachers, Nashville, Tenn. 37203.
- ORENSTEIN, DR. HOWARD B, b. Bronx, N.Y., Aug. 26, 42. PSYCHOLOGY. B.A. City Univ. New York, 64, M.A. Cincinnati, 68, Ph. D.(psychol), 69. ASST. PROF. PSYCHOL, FURMAN, 69- U.S.A.R., 65- AAAS, Psychol. Asn. Hunan learning; perceptual learning; motivation. Address: Dept. of Psychology. Furman University, Greenville, S.C. 2951.
- ORENT. DR. AMNON, b. Cologne, Germany, July 30, 35; U.S. citizen; m. 57; c. 2. SOCIOLOGY, ANTHROPOLOGY. B.A, Brooklyn Col, 60; M.A, Arizona, 63; Ph.D. (sociol, anthrop), Boston, 69; Nat. Inst. Ment. Health res. assoc, bur. ethnic res. Arizona, 62-63; instr. SOCIOL. & ANTHROP, col. lib. arts, Boston, 63-65, 68; ASST. PROF, NEW HAMPSHIRE, 68; Consult, For. Area Fel. Prog. 65-68; Cent. Univ. Res. Fund, 68-70. U.S.A, 55-56. Anthrop. Ass. fel. African Studies Asn. Problems of social and cultural change; African social systems; new world and African ethnography; political anthropology, Publ. Co-auth, Five Kafa biographies, In: Biographies of famous Ethiopians. Humanities, 70; auth, The history of Kafa prior to 1897; a study of political processes, African Hist. Studies, fall 70; Dual organisations in Southern Ethiopia; anthropological imagination or ethnographic fact, Ethnology, Vol. K, No. 3. Address: Dept. of Sociology-Anthropology, University of New Hampshire, Durham, N.H. 03824.
- ORESCANIN, DR. DANILO. Economics, Business Administration. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New information: Also assoc. dean admin. & asst. to pres. 69-, Indiana University, Bryan Hall 200, Bloomington, Ind. 47401.
- ORFIELD, DR. GARY ALLAN, b. Minneapolis, Minn, Sept. 5, 41; m. 63; c. 1. POLITICAL SCIENCE. B.A. Minnesota, 63; M.A. Chicago, 65, Ph.D. (polit. sci.), 68. ASST. PROF. POLIT. SCI. Virginia, 67-69; PRINCETON, 69. Polit. Sci. Asn. Publ: A study of the termination policy, Nat. Cong. Am. Indians. 66; The reconstruction of Southern education, Wiley, 69. Address: Dept. of Politics, Princeton University, Princeton, N.J. 08540.
- ORGEL, DR. SIDNEY A. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, psychiat, State Univ. N.Y. Upstate Med. Center, 68- Address: Veterans Administration Hospital, 800 Irving Ave, Syracuse, N.Y. 13210.
- ORLEANS, PROF. JACOB S(AMUEL). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof. psychol, Nevada, 69-Address; 2026 E. Charleston Blvd, Las Vegas, Nev. 89104.
- ORLEBEKE, CHARLES J. Political Science. See L.-Z Vol, 11th ed, Soc. & Behav. Vol.S. New position & addresse: Exec. asst. to secy, 69-, Dept. of Housing & Urban Development, Room 10224, 451 Seventh St. S.W. Washington, D.C. 20410.
- ORLINSKY, DR. DAVID E(LLIOT). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Psychology, University of Chicago, Box 106 Cobb Hall, Chicago, Ill. 66637.
- ORLOWSKY, DR. WALLACE JIOSEPHJ, b. Rochester, N.Y. Nov. 14, 39; m. 61; c. 4. EXPERIMENTAL PSYCHOLOGY. B.A, St. John Fisher Col, 61; N.Y. State Regents fel, Fordham, 62-65, M.A, 63, Nat. Scl. Found, fel, 64, U.S. Pub. Health Serv. fel, 64-65, Ph.D. (psychol), 65. Intern indust, psychol, fed. labs, Int. Tel. & Tel. Co., 62, U.S. Pub. Health Serv. fel, physiol. psy-chol, N.Y. State Psychiat, Inst, 65-66, fraince, 66-66, assoc. res. scientist, 68-69; ASST. PROF. PSYCHOL, RICHMOND COL.(N.Y), 69- Res. support grant, Res. Inst. Ment. Hyg, 67-68. Psychol, and Verbal learning; sensory neurophysiology; physiology of emotions; brain behavior relations. Publ: Co-auth, Effect of orientation during stimulus familiarization on paired-associate verbal learning, Psychonomic Sci, 67 & Recovery of aversive thresholds following midbrain lesions in the cat, J. Comp. Physiol. Psychol, 69. Address: Dept. of Psychology, Richmond College, Staten Island, N.Y. 10301.
- ORMAN, DR. ALLAN D. Sociology, Anthropology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: V.pres, 69-, Tastest Inc, 1710 Douglas Dr. N. Golden Valley, Minn. 55422.
- ORME, DR. ANTONY RONALD, b. Weston, Eng, May 28, 36; m. 66; c. 1. GEOGRAPHY. B.A., Birmingham, 57, fel, 57-50, Ph.D.(geog), 61. Lectr. GEOG, Nat. Univ, Ireland, 60-68; ASSOC. PROF, CALIFORNIA, LOS ANGELES, 68. Vis. lectr, Natal, 66. Consult, geogr, Dublin Regional Planning Chm, Ireland, 65-66. Ed, Geog. Viewpoint, 65-Mem, Irish Nat. Cmt, Int. Geog. Union, 65-68. Am. Quaternary Asn, Asn. Am. Geog; Inst. Bril. Geog. fel. Geol. Soc. London, Asn. Geog. Teachers Ireland (pres, 64-68).

- Fluvial and coastal geomorphology, Quaternary glaciation; periglaciation and changing sea levels; quantitative methodology; man's influence in modifying environments; regional and urban planning; urban growth patterns and differentiation within cities. Publ: Ireland, Aldine, Chicago & Longmans, London, 70: Quaternary changes of sea level in Ireland, Trans. Inst. Brtl. Geog. 66; Youghal, County Cork—growth, decay, resurgence, Irish Geog. 66. Adress: Dept. of Geography, University of California, Los Angeles, Calif. 90024.
- ORMISTON, PROF. DONALD W(ILLIAM). Clinical & Experimental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1001 Cedar Dr., Oxford, Ohlo 45056.
- ORNATI, PROF. OSCAR A(BRAHAM). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New publ: Co-auth, Issuer in urban economics, John Hopkins, 69. Address: 147 Edgars Lane, Hastings-on-Hudson, N.Y. 10706.
- ORNSTEIN, DR. PETER A(RNOLD), b. New York, N.Y, July 6, 42; m. 64; c. 1. PSYCHOLOGY. B.A. Harpur Col, 63; Nat. Insts. Health fel, Queens Col, 64-65, M.A., 65; Nat. Insts. Health fel, Wisconsin, 65-68, Ph.D. [bysychol), 68. ASST. PROF. PSYCHOL, PRINCETON, 68- Nat. Inst. Ment. Health grant, 69-70. Psychol. Asn. Classical conditioning; human memory and learning. Address: Dept. of Psychology, Princeton University, Princeton, N.J. 08540.
- ORONA, DR. ANGELO R(AYMOND), b. El Centro, Calif, Oct. 21, 32. AN-THROPOLOGY. B.A. California, Santa Barbara, 69; M.A. California, Los Angeles, 64, Ph.D. (anthrop), 68; fel, Caribbean Inst. Anthrop. & Sociol. & Org. Am. States fel, 64-65. Lectr. ANTHROP, Mt. St. Mary's Col. (Calif), 66; ASST. PROF. South Florida, 68-69; WINDSOR, 69- U.S.A.F, 51-58, Sf. Fel. Anthrop. Ass.; Ethnol. Soc; fel. Royal Anthrop. Inst. 61-65. Hill. & Ireland. Social organization; religion; folk philosophy; Latin Caribbean and Venezuela; fishermen of Margarita Island, Venezuela. Address: Dept. of Sociology & Anthropology, University of Windsor, Windsor, Ont, Can.
- ORR, DR. DAVID B(RAM). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Pres, Sci. Ed. Systs. Inc, 68- Address; 8715 First Ave, Apt. 1022-C, Silver Spring, Md. 20910.
- ORR, DR. DAVID H(AMILTON). Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. supt. prog, 68-, Allentown, Pa. 18103.
- ORR, DR. DOUGLAS MILTON, JR, b. Washington, D.C., Dec. 9, 38; m. 61; c. 2. GEOGRAPHY. B.A, Davidson Col., 61; M.B.A, North Carolina, 64, Ph.D. (geog), 68, ASST. PROF. GEOG. & ASST. TO CHANCELLOR, NORTH CARCULVA, CHARLOTTE, 68- U.S.A, 61-63, Capt. Asn. Am. Geog; Geog. Soc. Congressional and legislative redistricting; electoral geography; regional interest in Spain in the United States south. Publ: The Gilbert and Barker Manufacturing Company : an industrial relocation, 67 & Persistence of the gerrymander in N.C. congressional redistricting, 11/69, Southeast. Geogr. Address: Dept. of Geography, University of North Carolina at Charlotte, Charlotte, N.C. 28213.
- ORR, DR. LARRY LYNN, b. Terraville, S.Dak, Feb. 9, 42; m. 62; c. 2. ECO-NOMICS. B.S, lowa State, 63; U.S. Steel fel, Mass. Inst. Tech, 63-65, Nat. Sci. Found, fel, 63-66, Resources for Future fel, 66-67, Ph.D.(econ), 67. ASST. PROF. ECON, WISCONSIN, MADISON, 67- Economist, Off. Econ. Opportunity, Wash, D.C., 69-70. Consult, U.S. Dept. Health, Ed. & Welfare, 69. Econ. Asn., Nat. Tax. Ass. bran economics; income maintenance and urban housing, Nat. Tax. J. 9/68. Address: Dept. of Economics, University of Wisconsin, Madison, Wis. 53706.
- ORR, DR. MARK T, b. Mt. Croghan, S.C, Apr. 20, 14; m. 44; c. 2. SOCIAL SCIENCE, POLITICAL SCIENCE. A.B, North Carolina, 37; Ph.D. (polit. sci), 54; Virginia, 44; Michigan, 45. Asst. dir. South. Coun. Int. Rels, 37-41; instr. for. affairs, Tampa, 41-42; chief ed. reform, ed. div. gen. hq, Supreme Comdr. Allied Powers, Tokyo, Japan, 46-49; instr. Far East polit. North Carolina, 49-51; COORDINATOR, INT. STUDIES & PROGS, SOUTH FLORIDA, 66-. ASSOC. PROF. INTERIDISCIPLINARY SOC. SCI. & CHMN. DEPT, 67- U.S.A. F., 41-46, 51-66, Col. Polit. Sci. Asn, Int. Studies Asn. Japanese education and politics. Publ. Co-auth, Education in Japan, U.S. Govt, 46. Address: Dept. of Interdisciplinary Social Sciences, University of South Florida, Tampa, Fla. 35820.
- ORWICK, DR. PERRY O, b. Minot, N.Dak, Nov. 6, 40; m. 59; c. 3. PSYCHOLOGY. B.A, North Dakota, 63, M.A, 64, Ph.D. (clin. psychol), 68. Intern clin. psychol, N.Dak, State Hosp, 66-87, clin. psychologist, 67-68; asst. prof. CLIN. PSYCHOL, idaho State, 68-69; DIR. SOUTHWEST COUNSELING SERV, 69- Instr., Jamestown Col, 67-68. Clin. psychol. consult, N.Dak. Pub. Welfare Bd, 65; consult. clin. psychologist, Southeast. Idaho Ment. Health Center, 69. Psychol. Asra, Application of verbal conditioning to psychotherapy and to induce behaviora? change; behavior modification through systematic desensitization and self-induced hypnotic states. Publ: Co-auth, Research methods in child personality development, Univ. North Dakota, 63; auth, Descriptive study of a selected group of chronic alcoholic admissions, N.Dak. State Hosp, 66; co-auth, The measurement of anxiety on the sentence completion test, J. Gen. Psychol, 68. Address: Southwest Counseling Service, Box 1632, Rock Springs, Wyo. 82901.
- ORZACK, DR. LOUIS H. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. sociol, Rutgers, 69- Address: 7 Bunny Circle, Newton, Mass. 02158.
- ORZACK, DR. MARESSA HECHT. Experimental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Boston University Medical School, 80 E. Concord St, Boston, Mass. 20118.
- OSANKA, DR. FRANKLIN MARK, b. Chicago, III, Aug. 21, 36; m. 59; c. 4. SOCIOLOGY. B.S. in Ed, Northern Illinois, 60, M.A, 61; M.A, Northwestern,

69, Ph.D. (sociol), 70. Teaching asst. sociol, Northern Illinois, 61; res. assoc. cross-cultural commun. & soc. change in developing countries of S.E. Asia, 61-62; soc. sci. consult, D.C, 62-63; res. soc. scientist, U.S. Naval Test Sta, China Lake, Callí, 63-64; res. sociologist, Stanford Res. hax, 64-69; lectr. sociol. & S.E. Asian studies, Nat. Col. Ed, 69-70; ASSOC. PROF. SOCIOL. & ANTHROP. & CHMN. DEPT, N.CENT. COL. (LLL), 70-Instr, Ridgererst div, California, Los Angeles, 64; participant, Inter-Univ. Seminar on Armed Forces & Soc. 68-Intel.C, U.S.M.C, 53-56, Sgt. Thalland Siam Soc; Sociol. Ass, Acad. Polit. & Soc. Sci., 4sa. Asian Studies; Asia Soc. Political sociology: systematic examination of guerrilla warfare as means of political and social choundations and regional influences of Thailand, military sociology: military as a social institution. Publ.: Ed, Modern guerrilla warfare; Free Press, 62 & 70, German ed, 64, Chinese ed, 66; auth, internal warfare; secrific warfare, viv. 1, viv. 1, in International encyclopedia of the social secrifical warfare; social social constitutions, International encyclopedia of the social forces & Soc, Univ. Chicago, 70. Address: Dept. of Sociology & Anthropology, North Central College, Naperville, III. 60540.

OSBORNE, DR. JAMES GRAYSON, b. Vancouver, B.C, Sept. 25, 38; m. 62; c. 2. PHYSIOLOGICAL PSYCHOLOGY. B.A, Arizona State, 61, M.A, 64, Ph.D. (psychol), 68. Staff psychologist, Hearing Test & Child Study Center, N.Mex. Sch. for Deaf, 65-68, dir, 68-69; ASST. PROF. PSYCHOL, UTAH STATE, 69. Lectr, Univ. New Mexico, 68-69; depts, audiol. & spec. ed, Texas Tech. Col, summer 69. AAAS; Psychol. Asn. Experimental analysis of human operant behavior; child development. Publ: Co-auth, Intertrial movements during disturbed shock-escape conditioning, Psychonomic Sci, 65 & Some operant cohaditioning techniques and their use in schools for the deaf, Am. J. Deaf, 69; auth, Free-time as a reinforcer in the management of classroom behavior, J. Appl. Behav. Anal, 69. Address: Dept. of Psychology, Utah State University, Logan, Utah 84321.

OSBORNE, PROF. MELVILLE ELLSWORTH, b. Rockland, Maine, May 9, 18; m. 48; c. 2. POLITICAL SCIENCE. A.B. Boston, 39, A.M. 40; Ph. D. (polits sci.) Syracuse, 45. Instr. polit sci.; Syracuse, 43-44; Rochester, 44-45; vice-consul, Am. Embassy, U.S. Dept. of State, Paris, France, 45-47, admin. officer, Guatemala, 47-50, personnel officer, due personnel, 50-51, econ. officer, Am. Embassy, Wex, 51-54, Rio de Janeiro, Brazil, 54-58, officer in charge Mex. affairs, 81-84, Mar. Affairs, 64-62, polit officer, Am. Embassy, La Paz, Bolivia, 62-64, asst. dir. in charge flatit & Dominican Repub, Bur. Inter-Am. Affairs, 64-68; PROF. POLIT. SCI. & DIR. IBERO-AM. CIVILIZATION, SOUTHERN METHODIST, 68-Polit. Sci. Asn; Soc. Pub. Admin, Latin Am. Studies Asn. Research in social, economic and political systems of Latin America, the Caribbean, Spain and Portugal; cross cultural and comparative political research. Address: 3641 Stratford Ave, Dallas, Tex. 75205.

OSBUN, PROF. DONALD L, b. Hardin Co, Ohio, Dec. 17, 22; m. 45; c. 2. MANAGEMENT, ECONOMICS. B.S. Iowa State, 58, M.S. 64; Ohio State, 46-68. Agr. economist, U.S. Dept. Agr, Ames, Iowa, 58-61; res. assoc, Ohio State, Wright-Patterson Air Force Base, 61-64, instr., agr. exten, Ohio State, 64-66; ASSOC. PROF. MGT. & ECON. S.DAK. STATE, ELLS-WORTH AIR FORCE BASE, 68- U.S.A.R., 42-, Maj. Military and non-military logistics. Address: Dept. of Economics, South Dakots State University Minuteman Graduate Center, Ellsworth Air Force Base, S.Dak. 57106.

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OSBURN, DR. DONALD D. b. Fairfax, Mo, Nov. 2, 36; m. 57; c. 4. AGRICULTURAL ECONOMICS, ECONOMICS. B.S. & Nat. Defense fel, Missouri, 60; M.S., N.C. State, 63, Ph.D. (econ), 66. Instr. econ, N.C. State, 64-65; fel. agr. econ, Missouri, 66-67; ASST. PROF. agr. industs, Southern Illinois, 67-69; AGR. ECON, PRACTICAL ARTS & VOC. TECH. ED, MISSOURI-COLUMBIA, 69-Consult, U.S. Equal Employ, Opportunity Cmn, 66-67; res. grant, 67. U.S.A, 55-57. Agr. Econ. Asn; Voc. Asn. Factors affecting employment of minority groups; cost and return associated with human migration; economies of size associated with public schools; environmental control for livestock. Publ: Co-auth, Economics of environmental control for livestock, Can. J. Agr. Econ, 66 & Feasibility of summer environmental control for dairy cattle based on expected production losses, Am. Soc. Agr. Econ, 69 auth, Economies of size associated with public high school, Rev. Econ. & Statist, 70. Address: Dept. of Agricultural Economics, University of Missouri-Columbia, Columbia, Mo. 65201.

OSGOOD, PROF. ROBERT E(NDICOTT). Political Science. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Mem. staff, Nat. Security Coun, 69-Address: 5502 Park St, Chevy Chase, Md. 20015.

O'SHEA, DR. ARTHUR J, b. Boston, Mass, Sept. 23, 28; m. 67; c. 2. COUNSELING PSYCHOLOGY. A.B, Weston Col., 52, M.A, 53; Innsbruck, 56-57;
M.Ed, Boston Col., 63, fel, 65-66, Ph.D.(counseling psychol), 67. Teacher,
high.sch, Maine, 53-56; teacher & counselor, pub. schs, Mass, 58-65; counseling psychologist, Northeastern, 66-86; ASSOC. PROF. PSYCHOL, BOSTON STATE COL., 68. Summer consult, U.S. Off. Ed. Inst. Adult Counseling, Northeastern, 68. Muser and the county of the county of the county
vocational interest measurement; counseling process; psychological evaluation of police candidates; vocational development theory. Publ: Peer relationships and male academic achievement: a review and suggested clarification, Personnel & Guid. J, 47: 417-423; The low achievement syndrome
among bright junior high school boys, J. Ed. Res, 2/70; Using the Svib and,
Kuder, Form DD, with the same clients, J. Counseling Psychol, (in press).
Address: Dept. of Psychology, Boston State College, 625 Huntington Ave,
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OSHIMA, DR. EUGENE AKIO. Science Education, Biology. See Suppl. V to 11th ed, Phys. & Biol. Vols.

OSIPOW, PROF. SAMUEL H(ERMAN). Psychology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. 69-, Dept. of Psychology, Ohio State University, 1945 N. High St, Columbus, Ohio 43210.

OSMAN, DR. JACK W(ILLIAM), b. New York, N.Y, Nov. 30; 38; m. 61; c. 2. ECONOMICS. B.S, Rutgers, 61, M.A, 63, Ph.D.(econ), 66. Instr. ECON, col. arts & sci, Rutgers, 64-66, asst. prof, 66-67; SAN FRANCISCO STATE COL., 97-69, ASSOC. PROF, 69- Vis. assoc. prof, California, Berkeley, 70: participant, Nat. Sci. Found. Comput. Workshop Local Area Res, Boulder, Colo, summer 69. Econ. consult, urban ed. proj, Nat. Urban Coalition, California, Berkeley, 69; Coord. Com. Higher Ed, Calif., 69-70. Econ. Asn, Nat. Tax Asn, Economet. Soc. Application of quantitative methods to problems in state and local finance with emphasis on education; computerized methods in economic analysis. Publ: Co-auth, Alternative methods of state support for independent higher education in California, Coord. Com. Higher Ed, 70; auth, The dual impact of federal aid on state and local government expenditures, 12/68 & On the use of intergovernmental aid as an expenditure determinant, 12/68, Nat. Tax J. Address: Dept. of Economics, San Francisco, State College, San Francisco, Calif. 94132.

OSMON, DEAN WILLIAM RAYMOND, b. Clinton, Ind, Oct. 17, 37; m. 57; c. 2. PSYCHOLOGY, EDUCATION. B. S. Indiana State, 60; M.Ed., Florida, 62; Ed.D. (educ, psychol), Indiana, 64. Asst. prof. guid. & counseling, Indiana, 64-65; dir. instnl. res. & testing, INDIANA STATE, 65-68, DEAN STUDENT ADMIN. SERV, 68- Psychol. Asn. Academic achievement; prediction of academic services; test analyses; student information systems. Publ: Indormation systems in student personnel administration, In: New dimensions in higher education, flumantites, 70. Address: Student Administrative Services, Indiana State University, Terre Haute, Ind. 47809.

OSSER, DR. HARRY. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Vis. assoc. prof. psychol, California, Berkeley, 69- Address: Dept. of Psychology, San Francisco State College, 1600 Holloway Ave. San Francisco, Calif. 94132.

OSSMAN, DR. ALBERT JOHN, JR, b. Dunkirk, N.Y, May 23, 27; m. 61; c. 1. POLITICAL SCIENCE. A.B. Syracuse, 50, M.A. 51, D.S.Sc. 63. Instr. polit. sci., Chatham Col, 57-69, asst. prof. polit. sci. & econ, 59-63, asscc. prof. 63-68; DIR. DIV. SOC. SCI, EISENHOWER COL, 68- Participant, Nat. Sci. Found. Conf. Math. Appln. Polit. Sci., Va. Polytech, summer 66. Mem. bd. exam, gen. area exam, Ed. Testing Serv, Princeton, 68- C.Eng, U.S.A. 44-46; Nat. Guard, 47-52, 1st Lt. Polit. Sci. Asn: Law & Society Asn. Canadian external relations; consumer buying intentions; violence and extremist behavior; social change. Address: Division of Social Sciences, Eisenhower College, Seneca Falls, N.Y. 13148.

OST, DR. JOHN W(ILLIAM) P(HILIP). Psychology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Assoc. prof. & chmn, 69-Dept. of Psychology, Northern Michigan University, Marquette, Mich. 49855

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PALUCH, DR. STANLEY JOHN. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

PANGBORN, PROF. ROSE MARIE VALDES. Food Technology, Psychophysics. See Suppl. V to 11th ed, Phys. & Biol. Vols.

PANG-CHING, DR. GLENN K, b. Hilo, Hawaii, Feb. 10, 31; m. 61; c. 2. AU-DIOLOGY, SPEECH PATHOLOGY. B.S. Callí. State Col. Los Angeles, 57; M.S., Qududloi, speech path), Southern California, 66. Audiologist, Vet. Benefits Off, D.C, 58-59; supvr. clin. serv, Vet. Admin. Outpatient clin, Los Angeles, 59-65; ASST. PROF. AUDIOL. & SPEECH PATH,

HAWAII, 65- Audiologist mem, State Bd. Hearing Aid Dealers & Fitters, Hawaii, 69- U.S.A. 53-54. Speech & Hearing Asn. All phases of audiology including psychoacoustics and rehabilitation. Address: 107 Kekaha Place, Honolulu, Hawaii 96821.

PANOS, DR. ROBERT J(OHN). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New posttion & address: Dir. slatist. anal. & eval. 69-, National Computer Systems, 4401 W. 76th St, Minneapolis, Minn. 55435.

PAPAGEORGIOU, DR. JOHN C(ONSTANTINE). b. Kallithea, Olympia, Greece, Nov. 22, 35; m. 69. MANAGEMENT SCIENCE. B.S. Athens Grad. Sch. Econ. 4 Bus. Sci., 57; dipl. Manchester, 63, Ph.D. (mgt. sci), 63. Analyst, dept. econ. res., Agr. Bank of Greece, Athens, 66, head, 66-67; analyst, Essen. Papaas Indust. Co., Greece. 67-88, ASST. PROP. MOTI, WAYNE STATE, 69-NATO grant, Sci. in Gen. Mgt. Ld. Eng., 65; lectr. Inst. Post-grad. Studies Bus. Admin. & Athens Grad. Sch. Econ. & Bus. Sci., 66-68; York Univ. (Onl., 88-69). Greek Army, 58-59, 2nd Lt. Am. Statist. Asn. Opers. Res. Soc. Am, Am. Econ. Asn. Acad. Mgt; Inst. Mgt. Sci. Hellenic Opers. Res. Soc. Anylication of operations research to problems of industry and government. role of management science in accelerating development of developing countries. Publ: The use of operations research in marketing the agricultural products, Technica Chronica, 66; Nomograph simplifies use of inventory control model, indust. Eng. 5, 70. Address: Dept. of Management, School of Business Administration, Wayne State University, Detroit, Mich. 48202.

PAPANEK, DR. MIRIAM L(EWIN). Sociology, Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 296 Clinton St, Dobbs Ferry, N.Y. 10522.

PAPARELLA, PROF. BENEDICT A(NTHONY). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

PAPAS, PROF. ARIS T, b. Athens, Greece, June 22, 17; U.S. citizen; m. 52; c. 3. CLINICAL PSYCHOLOGY. B.A, Illinois, 42; M.A, Chicago, 54; Ph.D. (psychol), Nat. Univ. Athens, 64. Psychologist, Cherokee Iowa State Hosp, 53-54; asst. supt. Eldora Training 85, 54-55; private practice, clin. psychologist, Atlanta Guid. Clin, 57-58; private practice, clin. psychol, Atlanta, Ga, 36-61; dir. guid. clin, Hellenic-Am. Clin, 61-64; ASSOC. PROF. PSYCHOL, State Univ. N.Y, 64-66; SOUTH-EASTERN MASSACHUSETTS, 66. Orthopsychiat. Asn, Hellenic Psychol. Asn. (secy). Psychotherapy; self-concept; adjustment. Publ: The school photic child, Athens Psychol. J, 64, Geriatric hazards, Am. Geriat. J, 67; Verbal communications in therapy, J. Psychosom, 68. Address: Dept. of Psychology, Southeastern Massachusetts University, North Dartmouth, Mass. 02747.

PAPASTATHOPOULOS, DR. CATHERINE D, b. Pyrgos, Elias, Greece, June 3, 34. POLITICAL SCIENCE. B.A. Coe Col, 59; For. Student scholar. & M.A. P.A. Minnesota, 61; Comp. Admin Group summer fel, Michigan, 64; Int. scholar. & Ph.D. (polit. sci), lowa, 67. Asst. polit. sci, lowa, 62-64, res. asst. 64-66; res. assoc. pub. Admin, inst. pub. admin, Michigan, 66-68; ASST. PROF. POLIT. SCI, NORTHERN ILLINOIS, 68. Summers, admin. analyst, div. rehab, Mnn. Dept. Ed, 69; res. asst. comp. admin. res. seminar, Univ. Michigan, 64. Acad. Polit. Sci; Polit. Sci. Asn. Soc. Pub. Admin. Public administration; or comparative public administration and upreaucratic behavior, especially use of bureaucratic theory in empirical research; comparative local government. Publ: Local government and administration in Greece, J. Cent. European Affairs, 10,65; Civil service reforms in Greece, inf. Rev. Admin. Sci. 64. Constitutionalism and communalism: the case of Cyprus, Toronto Law J, 55. Address: Dept. of Political Science, Northern Illinois Chiversity, De Kalb, Ill. 60115.

PARELIUS, DR. ANN PARKER, b. New York, N.Y., Jan. 24, 43; m. 64; c. 1. SOCIOLOGY. B.A., Hunter Col., 63; M.A., Chicago, 65, Ph.D.(sociol), 67. ASST. PROF. SOCIOL, BUTTGERS, 67- Sociol. Soc; Nat. Coun. Family Rels. Social psychology; sociology of education; marriage and the family. Address: Dept. of Sociology, Rutgers, The State University, New Brunswick, N.J. 08903.

PARIS, DR. JAMES D(ANIEL). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also asst. v.pres, Metrop. Life Ins. Co, 69-Address: 35 Old Pond Rd, Great Neck, N.Y. 11023.

PARIS, PROF. NORMAN M(ARTIN). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chum, 68-, Dept. of Psychology, University of West Florida, Pensacola, Fla. 32504.

PARK, PROF. G(EORGE) K(ERLIN). Social Anthropology, Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. anthrop, 69-, Dept. of Sociology & Anthropology, Memorial University of Newtoundland, St. John's, Newf, Can.

PARK, DR. SANG OH. Econometrics, Regional Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Government economist, 68-, Regional Economics Division, Office of Business Economics, U.S. Dept of Commerce, 2400 M St, N.W, Washington, D.C. 20230.

PARK, DR. TONG WHAN, b. Seoul, Korea, Dec. 16, 43; m. 66. POLITICAL SCIENCE. LL.B, Seoul, 64; M.A. Choong-Ang, Korea, 56; East-West Center grant, Hawaii, 66-68, M.A, 68, Ph.D. (polit. sci.), 69. Reporter, Hankook-libo, Korea, 63-68; res. asst. unt. rels, Dimensionality of Nations Proj. Hawaii, 68-69, ASST, PROF, POLIT. Sci., NORTHWESTERN, 69-Polit. Sci. Ann. Asian politics, especially systematic analysis of dyadic conflict and of Nations Proj. 69, Peaceful interactions in Asia, int. Peace Res. Asn. (in press). Address: Dept. of Political Science, Northwestern University, Evanston, Ill. 60201.

PARKER, DR. DONALD E(DWARD). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, Dept. of Psychology, Miami University, Oxford, Ohio 45056.

PARKER, DR. HARRY J(OHN). Counseling Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. phys. med. & rehab. & psychol. & assoc. dean, 69-, School of Allied Health Professions, Southwestern Medical School, University of Texas, 5323 Harry Hines Blvd, Dallas Tev. 7528.

PARKER, DR. RONALD KEITH. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 69-, Division of Teacher Education, Center for Advanced Study in Education, City University of New York, 33 W. 42nd St, New York, N.Y. 10036.

PARKER, DR. TREADWAY CHISHOLM). Psychology. See L.-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Mgr. ed. resources develop, 99-, american Management Association, 135 W. 50th St. New York, N.Y.

PARKES, DR. ERNEST. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Adj. prof. psychol, Fordham, 69-303 W. 66th St, Apt. 17BW, New York, N.Y. 10023.

PARKHILL, DOUGLAS F(REEMAN). Electrical Engineering. See Suppl. V to 11th ed, Phys. & Biol. Vols.

PARKHURST, PROF. KENNETH L(ANGROISE). Business Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Also chmm, 69pept. of Economics, School of Business. John Carroll University, Cleveland,

PARKHURST, PROF. WILLIS (MAC), b. Cornell, Ill, Apr. 1, 23; m. 43; c. 2. PSYCHOLOGY. B.S, Indiana State, 49, M.S, 52; Purdue, 49-53; Barry Col. 65. Assoc. prof. biol, Athens Col. 53-55; from asst. prof. to ASSOC. PROF. PSYCHOL, EASTERN KENTUCKY, 55- U.S.N, 42-46, Res, 46-58, Lt.(jg.) AAAS. General, child and adolescent, applied, and industrial psychology; programmed learning. Publ. Perception (a tutorfilm module), Welch Sci. Co. 68. Address: Dept. of Psychology, Eastern Kentucky University, Richmond. Ky. 40475.

PARKINSON, DR. RUSSELL JAY. American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

PARKS, DR. ROBERT JAMES. American Economic History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

PARLOFF, DR. MORRIS B(ERNARD). Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: National Institute of Mental Health. Bidg. 10, Room 2X 260, Bethesda, Md. 20014.

PARMENTER, DR. GUY NORRIS. Geography. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Geogr., 69-, U.S. Army Research Office, 3045 Columbia Pike, Arlington, Va. 22204.

PARRATT, PROF. SPENCER D, b. Salt Lake City, Utah, July 6, 02; m. 26, 50; c. 4. POLITICAL SCIENCE. A.B., Utah, 24; J.D., Chicago, 30, Ph. Ipolit. sci), 32. Res. & dept. asst. POLIT. SCI, Chicago, 28-30, asst. prof. SYRACUSE, 30-37, prof. 37-67, MAXWELL PROF. 67- Leetr. Brookings Inst, 60- Hearing officer, War Labor Bd, 41-46. Consult, police, 30-40; Nat. Security Resources Bd, 50-52; N.Y. State Div. Housing, 57-58; housing, Providence, R.I, 62-64. Distinguished arbitrator award, 65. Metropolitan and urban government, administrative processes, especially local regulative systems. Publ: Co-auth, Government of the metropolitan region of Chicago, Univ. Chicago, 33. Address: Maxwell School of Citizenship & Public Affairs, Syracuse University, Syracuse, NY, 13210.

PARRIS, DR. JUDITH H, b. Columbus, Ohio, June 5, 39; m. 68. POLITICAL SCIENCE. A.B. Smith Col, 61; M.A. Columbia, 63, fel, 65-66, Ph.D.(govt), 67. Reporter, Housing & Urban Affairs Daily, Wash, D.C, 61-62; press asst, Sen. George A. Smathers, 62; policy planning res. asst, U.S. Small Bus. Admin, 63-65; res. asst, GVD. STUDIES, BROOKINGS INST, 66-68, RES. ASSOC, 68. Polit. Sci. Asn. American government and politics, particularly public administration, social and economic policy, electoral and legislative processes, and decision making. Publ: The electoral college and the American political system, Brookings, 70; Congress rejects the President's urban department, In: Congress and urban problems, Brookings, 69. Address: Brookings Institution, 1775 Massachusetts Ave. N.W., Washington, D.C. 20036.

PARRISH, DR. JACK A(LBERT). Industrial & Personnel Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. behav. mgt. sci, 69-, College of Business Administration, University of South Carolina, Columbia, S.C. 29208.

PARRY, PROF. ALBERT. Russian Civilization. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

PARSA, DR. PARVIZ, b. Esfahan, Iran, July 6, 41; m. 65. ECONOMICS, IN-TERNATIONAL RELATIONS. B.A. Tehran, 62; M.A. Texas Christian, 65; grant & Ph.D.(econ), Oklahoma, 68. Dir bur res, Nat. Iranian Ins. Co, 61; economist, researcher & consult, Ministry Econ, Tehran, Iran, 62-63; ASST. PROF. ECON, CENT. STATE COL. (OKLA), 68. Econ. Asn. Economic development and growth; international economic and political relations; comparative economics; money and banking; stock markets in United States; role of petroleum in Iran and other Middle Eastern countries. Publ. Introduction to stock and bond markets, Cent. State Col. (Okla), 68; Reflections on U.S. dollar stability, Okla. Acad. Sci. (in press); Policies for economic growth in Persia, J. Banks, Tehran, 7/66. Address: Dept. of Economics, Central State College, Edmond, Okla. 73034.

PARSONS, C(HARLES) G(RAHAM). Economics, Marketing. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 69. Address: Route A-2, Box 124-D, Dunnellon, Fla. 32850.

PARSONS, DR. EDGAR A(LLEN). Economics. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: V.pres, Syst. Sci, Inc, 69- Address: 1913 Lakeshore Dr. Chapel Hill, N.C. 27514.

PARSONS, DR. HENRY McILVAINE. Experimental Psychology, Human Factors. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: V.pres. res, Riverside Res. Inst, 69- Address: 1125 Park Ave, Apt. 7D, New York, N.Y. 10027.

PARSONS, DR. JOHN E, JR. b. New York, N.Y. Jan. 11, 38. POLITICAL SCIENCE & PHILOSOPHY. B.A, Harvard, 60; Woodrow Wilson Nat. Found, fel. & M. A. California, Berkeley, 63; Chicago, 64; Ph. D(golit sci), London, 65. ASST. PROF. POLIT. SCI, Milton Col., 66-67; STATE UNIV. N.Y. COL. OSWEGO, 68. Faculty grant-in-aid, State Univ. N.Y. Res. Found, 68-70. Polit. Sci. Asn. Swift's satire; political philosophy of John Dckee; John Dewey's social thought; political philosophy of John Stuart Mill. Publ: John Dewey's science of society, Thought & Word, 7/68 & Locke's doctrine of property, Soc. Res, fall 69. Address: 240 Boston Post Rd, Harrison, N.Y. 10528.

PARSONS, DR. STUART O(VERTON). Industrial Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Chief human factors eng. & simulation biotech, 69-, Lockheed Missiles & Space Co, ORG 62-40 Bldg. 151, Sunnyale, Calif. 94088.

PARTAIN, DR. ROBERT T, b. Leonard, Tex, Feb. 9, 24; m. 48; c. 1. MAR-KETING, COMPUTER SCIENCES. B.B.A, North Texas State, 49, M.B.A, 50; fel. & Ph.D. (bus. admin), Texas, Austin, 68. Instr. mikt, Texas Col. Arts & Indust, 50-55; chmn. dept. mikt, 58-62; statistician, Celanese Corp. Am, 55-58; dir. comput. center, RICHMOND, 62-64, ASSOC. PROF. FI-NANCE & CHMN. DEFT, 68- Adv. Eighth Naval Dist, 30-58; financial consult, Financial Indust. Fund Inc, Colo, 58-69; consult. retainer, Fidelity Corp, 64- U.S.N, 43-47, Lt. Comdr. Behavioral science as it applies to business management; computerized teaching; business management communication systems. Publ: Co-auth, Problems in financial management, Appleton, 68; Controversial issues in insurance, Asn. Bus. Law Teachers, 67; consult. & reader, Money & banking, Irwin, 66. Address: 1510 Pump Rd, Richmond, Va. 23229.

PARTHEMOS, JAMES. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Sr. v.pres. & dir. res, 69-, Federal Reserve Bank of Richmond, Ninth & Franklin Sts, Richmond, Va. 23213.

PASANEN, DR. OSMO N, b. Viipuri, Finland, Aug. 5, 20; U.S. citizen; m. 54; c. 2. ECONOMICS. B.A. California, Riverside, 60; Nat. Defense Ed. Act fel, Missouri-Columbia, 60-63, Ph.D. (agr. econ), 65. Asst. pref. ECON, Hanover Col, 64-65; S.Dak. State, 65-67; ASSOC. PROF, MANKATO STATE COL, 67. Summers participant, Nat. Sci. Found. Inst. in Math. Optimization, Missouri, 65, Seminar on Recent Develop. in Econ, Chicago, 66 Seminar on Contemporary Econ, Virginia, 67. Finnish Army, 40-44, 1st Lt. Econ. Asn, Int. Asn. Agr. Econ. Resource economics. Publ: Co-auth, Trends, adjustments and potential in northeast Missouri, Univ. Missouri, 66. Address: Dept. of Economics, Mankato State College, Box 128, Mankato, Minn. 55001.

PASCHAL, DR. BILLY J. b. Cullman, Ala, Nov. 5, 35; m. 59; c. 2. EDUCA-TIONAL PSYCHOLOGY. A.B. St. Bernard Col., 57; M.Ed., Birmingham-South Col., 59; c. D. Decley Charles Col., 50; d. Ed., Birmingham-South Col., 59; d. D. Decley Charles Col., 50; d. Ed., Birmingham-South Col., 50; d. D. Decley Charles Col., 100; d. S. Decley Charles Col., 100; d. S. Decley Charles Col., 100; d. S. Main Study Group Curriculum Proj., with Culturally Disadvantaged Children, 64-65; Off. Econ. Opportunity S. Miami Curriculum Proj., for Disadvantaged Youth, 55-66. Psychol. Asn. Perception of self and achievement; teaching cultural factors in selected organismic variables in self-concept; creative thinking and emotionally disturbed children. Publi: Anti-push theory best for deprived children?, Instructor, 12/67, Values as basic in education, Sch. & Soc, fall 68 & The role of self-concept in achievement, J. Negro Ed, fall 68. Address: Dept. of Psychology, Ball State University, Muncie, Ind. 47306.

PASSER, DR. HAROLD C(LARENCE). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. secy. commerce econ. affairs, 69-, Dept. of Commerce, Room 5835, 14th St. & Constitution Ave. N.W, Washington, D.C. 20230.

PASTALAN, DR. LEON ANTHONY. Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, archit, Michigan, 69- Address: 8143 Huron River Dr. Dexter, Mich. 88130.

PASTER, DR. IRVING, b. Newark, N. J. Sept. 10, 09; m. 40; c. 2. MANAGE-MENT. B. A. Wayne State, 31, M. A. 38; Ph. D. (econ), Michigan, 48. Investr, wage & hour & pub. contracts divs, U.S. Dept. Labor, 41-44; chief screening br, Nat. War Labor Bd, Detroit, Mich. 44-45; staff asst, indust. rels. dept, Kaiser-Frazer Corp, 47-54; cmmr, Fed. Mediation & Conciliation Serv, 51-54; indust. rels. consult, 54-68; ASSOC. PROF. MGT, SCH. BUS. ADMIN, WAYNE STATE, 68- Industrial relations. Publ: Help on industrial relations problems, Small Bus. Admin, 4/63; Think before you discipline, Supry. Mgt, 2/68; When you delegate your labor contract negotiations, Personnel J, 8/68. Address: Dept. of Management, Wayne State University School of Business Administration, Detroit, Mich. 48202.

PASTERNACK, DR. THOMAS L(OUIS), b. Passaic, N.J. Dec. 5, 37; m. 60; c. 2. EDUCATIONAL PSYCHOLOGY. A.B. Rutgers, 59; A.M. George Washington, 64; Nat. Defense Ed. Act fel. & Ph.D. (psychol), Georgia, 68. Instr. psychol. & mgt, U.S. Naval Acad, 62-65; ASST. PROF. PSYCHOL, RANDOLPH-MACON WOMAN'S COL, 67 – Psychol. consult, Lynchburg Head Start Prog., 68- U.S.N, 59-65, Res, 65-, Lt. Comdr. Conformity; self-concept; teaching techniques; group dynamics. Address: Dept. of Psychology, Randolph-Macon Woman's College, Lynchburg, Va. 24504.

PASTERNAK, DR. BURTON. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Asst. prof, anthrop, Hunter Col, 69-; Nat.

Sci. Found. res. grant, 68-71. Address: Dept. of Anthropology, Hunter College, 695 Park Ave, New York, N.Y. 10021.

PATAI, DR. RAPHAEL. Anthropology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New publ: Israel between east and west: a study in human relations, Greenwood, 2nd ed, 70; ed, Encyclopedia of Zionism and Israel, Herzi & McGraw, 70. Address: 39 Bow St, Forest Hills, N.Y. 11375.

PATCHEN, DR. MARTIN. Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 68-, Dept. of Sociology, Purdue University, Lafayette, Ind. 47907.

PATTERSON, DR. HARRY O(SCAR). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Communication & Organizational Behavior, General Motors Institute, Third & Chevrolet Ave, Flint, Mich. 48502.

PATTERSON, DR. JOYE. Journalism. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

PATTERSON, DR. LAURA MARGUERITE, b. Belton, Tex, Dec. 5, 16; m. 42; c. 1, MANAGEMENT, MARKETING. B.B.A, Texas, 37; M.B.A, Houston, 51; Ph.D, Ubus. admin, Texas, Austin, 66. Teacher, high schs, 46-57; asst. prof. bus. admin, McNeese State Col.(La), 57-64; ASSOC PROF, Southwest Texas State, 64-67; MGT. & MKT, MISSISSIPPI, 67- Organization theory; university organization; organizational and consumer behavior; human behavior in organizations. Address: Dept. of Management & Marketing, University of Mississippi, University, Miss. 38677.

PATTERSON, DR. MILES L, b. Palatine, III, Jan. 17, 42. PSYCHOLOGY. B.S, Loyola (III), 64; M.A, Northwestern, 66, Ph.D. (psychol), 68. ASST. PROF. PSYCHOL, Northwestern, 66-69; MISSOURI-ST. LOUIS, 69- Psychol. Asn. Verbal learning; proxemics; influences of design on behavior. Publ: Spatial factors in social interaction, Human Rels, 68; co-auth, Interpersonal distance and impression formation, J. Personality, 70. Address: Dept. of Psychology, University of Missouri-St. Louis, 8001 Natural Bridge Rd, St. Louis, Mo. 63121.

PATTERSON, DR. PHILIP D, JR. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Urban economist, 69-, Envirometrics, 1100 17th St. N.W., Washington, D. C. 20036.

PATTERSON, PROF. ROBERT E. Speech & Speech Correction. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

PATTERSON, DR. THOMAS S, b. Chicago, Ill, Dec. 3, 33. COUNSELING & CLINICAL PSYCHOLOGY. B.A, Iona Col., 55; M.S., Fordham, 60; Ph.D. (counseling psychol), Boston Col, 65. Teacher, All Hallows Inst, 55. 57; chmn. biol. dept, Cath. Mem. High Sch, 57-64; chmn. psychol. dept, Iona Col, 64-68; ASSOC. PROF. PSYCHOL, COL. MT. ST. VINCENT, 69- Training in psychoanal, Inst. Ment. Health Practitioners. Psychol. Asn; Acad. Relig. & Ment. Health; San. Existential Psychol. & Psychiat. Reading ability and personality characteristics; psychoanalytic research; humanistic psychology; values. Address: Dept. of Psychology, College of Mt. St. Vincent, Riverdale Ave, Bronx, N.Y. 10471.

PATTISON, DR. EDWARD MANSELL, b. Portland, Ore, June 23, 33; m. 56; c. 3. PSYCHIATRY, RELIGION. B.A., Reed Col., 56; M.D., Oregon, 58. Intern, hosps. & clins, sch. med, Oregon, 58-59; staff psychiatrist, U.S. Med. Center Fed. Prisoners, 59-61; resident & fel. psychiat; col. med, Cincinnati, 61-64; sr. psychiatrist, clin. neuropharmacol. res, Nat. Inst. Ment. Health, 64-65; instr. psychiat; sch. med, Washington (Seattle), 65-67, asst, prof. 67-69; ASSOC. PNOF-IN-RESIDENCE PSYCHIAT. & HUMAN BEHAV. COL. MED, CALIFORNIA, IRVINE, 70-Nat. Inst. Ment. Health career develop. fel, 61-65; fel. alcoholism, col. med, Cincinnati, 62-63, res. fel. pub. health & court clin. 63-64; dep. dir. community ment. health training, Orange County Med. Center, 70-U.S.P.H.S., 56-65, Surg. Maj. AAAS; Psychiat, Asn, Col. Psychiat; Pub. Health Asn, Group Psychother- Asn, Soc. Psychol. Study Soc. Issues. Social and community psychiatry; group psychotherapy; psychiatry and religion, alcoholism treatments, theory of psychotherapy; public health. Publ: Clinical psychiatry and religion, Little, 64: 60-avil. Psychiatric perspectives on t. groups and the laboratory method, Am. J. Psychiat, 69. Address: Dept. of Psychiatry, Orange County Medical Center, 101 S. Manchester Ave, Orange, Calif. 92668.

PATTON, DR. H(ASKELL) RILEY. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Chmn. bd. dirs, PST, Inc, 69- Address: 323 Springs Rd. Bedford, Mass. 01730.

PATTON, DR. JOHN STROHM, b. Carthage, Mo, Jan. 18, 18; m. 50. OPER-ATIONS RESEARCH, MODERN HISTORY. B.S. & Paul G. Hoffman award, Southern California, 41; George Washington, 49-51; dipl. policy & strategy, Nat. War. Col., 55-56; Ph.D. (int. rels), American Univ, 63. Newspaper reporter, Modesto Bee, Calif, 37-38; asst. mgr. Vending Mach. Co., 39-40; air ord, specialist, Hq. U.S. Army Air Force, 46-49; air intel. specialist, Hq. U.S. Army Air Force, 46-49; air intel. specialist, Hq. U.S. Army Air Force, 49-61; air intel. specialist, Hq. U.S. Air Force, 29-67; OFF. POLICY, HQ, NASA. 67-Prinl. lectr, Catholic Univ, 66-68; mil. exec, Reserve Forces Policy Board, Off. Secy. Defense, 69- Consult. to asst. chief of staff, Hq. U.S. Air Force, 64-67. U.S. Air Force superior accomplishment awards, 52; 60: 61; Dept. of Defense distinguished civilian serv. award, 59; Nat. Civil Serv. League merit citation, 59; career exec. roster, Civil Serv. Cmm, 60; U.S. Air Force outstanding ratings, 60, 61 & 66; Dept. of Air Force exceptional civilian serv. award, 68; Legion of Merti, 69. U.S.A.F. Rn, Maj. Gen. Opers. Res. Soc. Am; Hist. Asn, Mid. East Inst; Acad. Polit. Sc; Soc. Oceanog. Military systems analysis; Sino-Soviet relations; history of Middle East. Address: Reserve Forces Policy Board, Office of Secretary of Defense, Room 3A930, Pentagon, Washington, D.C. 20301.

PATTON, DR. WILLIAM F, b. Ft. Worth, Tex, Apr. 4, 38; m. 70. PSYCHOL-OGY, B.A. Texas Christian, 63; fel, Texas, Austin, 65-67, Ph.D. (psychol), 67, ASST, PBOF, PSYCHOL, MED. BR. TEXAS, 67, U.S.A. 59-62, Psychol), Asn. Developmental, child and educational psychology; mental retardation. Publ: Co-auth, Climatological influences in mental deficiency as related to three ethnic groups, Interam. J. Psychol, 67, Sustained vs. interrupted institutionalization: II, Am. J. Ment. Deficiency, 68 & Effects of training procedures on recall of auditory sequences, Perceptual & Motor Skills, 70. Address: Dept. of Psychology, University of Texas Medical Branch, Galveston, Tex. 77550.

PAUL, DR. GORDON W. Marketing. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Marketing, School of Business Administration, University of Massachusetts, Room 307, Amherst, Mass. 01002.

PAUL, JAMES C. N. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

PAUL, DR JOHN E(UGENE), b. Charleston, Ill, June 13, 17; m. 43; c. 2. SPEECH PATHOLOGY, LINGUISTICS. B. S.Ed, Eastern Illinois, 47; M. S. Purdue, 48, res. found. fel, 50, Ph. D. (speech path, audiol), 51. Instr. & asst. dir. speech clin, Purdue, 50–51; dir. & prof. speech path, Mississippi, 52–56; dir. speech path, & psychomet, med. col. Alabama, 56–58; prof. speech & chmm. dept, 5TATE. UNIV. N. Y. COL. GENESEO, 58–65, DIR. SPEECH DIV, 65– Consult, Miss. State Sch. for Deaf, Cerebral Palsy Hosp. Sch. & Soc. for Crippled Children Ther. Center, 52–56, Ala. Aid for Retarded Children, Hearing & Speech Found. & Cerebral Palsy Center, 56–58. U.S.A. 42–46, 51–52, Capt. AAAS, Speech & Harring Ass; Speech Asn. Am; Cleft Palate Asn. Voice science. Publ: Parent-child relationships in certain voice variables, Purdue Res. Found, 52. Address: Dept. of Speech, State University of New York College at Geneseo, Geneseo, N.Y. 14454.

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PAUL, DR. ROBERT JAMES, b. Crivitz, Wis, July 19, 31; m. 55; c. 3. MAN-AGEMENT, INDUSTRIAL PSYCHOLOGY. B.B.A, Wisconsin, 54, M.S. Okla. State, 62; Ph.D.(bus), Arkansas, 66. Exec. trainee, Gen. Motors Corp, 54-55; indust. engr. Corning Class Works, 55-56, process engr, 58-59; proj. mgr, Am. Metal Climax, Inc. 59-62; instr. MGT, Okla. State, 62-63; Arkansas, 63-65; from asst. prof. to ASSOC. PNDF, MISSOURI-COLUMBIA, 65-Ord.C, U.S.A, 56-58. Acad. Mgt. Personnel psychology; motivation; organization theory. Publ. Co-auth, Work sampling white collar workers, J. Retailing, 2/67; auth, Rating non-manual employees—empirical findings, Personnel, 5/68; Performance standards in non-manual work, Mudust. Engr. 12/68. Address: Dept. of Management, University of Missouri, Columbia, Mo. 55201.

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PAVLOS, DR. ANDREW JOHN, b. Toledo, Ohio, Jan. 7, 35; m. 60; c. 2. EX-PERIMENTAL SOCIAL PSYCHOLOGY. B. A. Toledo, 57, M. A. 58; Nat. Sci. Found, grants, Fla. State, summer 61, Wisconsin, summer 64, NASA grant, Nevada, 55-67, Ph.D. (psychol), 67. Res. psychologist, State of Mich, 58-60; ASST. PROF. psychol, Concord Col, 60-65; soc. psychol, Western Illinois, 67-68; EXP. SOC. PSYCHOL, JACKSONVILLE, 68- AAAS, Psychol. Asn. Attitude change: experimenter bias and effects; risk-taking. Publ: Sex differences among rural Negro children on the WISC, W. Va. Acad. Sci, 33: 109-114. Address: Dept. of Psychology, Jacksonville University, Jacksonville, Fla. 32211.

PAYETTE, DR. PIERRE R, b. Montreal, Que, May 14, 34. SOCIAL & CLINI-CAL PSYCHOLOGY. B.A, Montreal, 54, B.Ph, 57, M.A, 59, Ph.D. (soc. psychol), 64. Assoc. psychologist, M. Lepkin & Co, 60-62; orgn. & personnel consult, Ernst & Ernt, 62-65; sr. consult. indust. psychol, Alexander Grant & Co, 65-67; AST. PROF. PSYCHOL, CHICAGO STATE COI., 67-Am. Psychol. Asn. Can. Psychol. Asn. Personnel selection techniques; deviant psychology: personality and culture evaluation. Address: 356 W. Wisconsin, Chicago, III. 60614.

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blending ability and motor proficiency in children with disorders of articulation, J. Speech & Hearing Aso, fall 65. Address: School of Speech & Hearing Sciences, Bradley University, Peoria, Πl . 61606.

PAYNE, DR. THOMAS A(LAN). Psychology, Human Engineering. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 386 Los Altos Ave, Long Beach, Calif. 90814.

PAYSON, DR. HENRY EDWARDS. Psychiatry. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

PAYTON, PRES. BENJAMIN F, b. Orangeburg, S.C., Dec. 27, 32; m. 59. SO-CIOLOGY, RELIGION. B.A. S.C. State Col, 55; Billings prize, Harvard, 57, B.D, 58; Danforth fel, 55-63; M.A., Columbia, 60; Ph.D, Yale, 63. Instr. sociol. & relig, Howard Univ. Sch. Relig, 63-65; exec. dir, dept. soc. justice, Nat. Coum. Churches, 66-67; PRES, BENEDICT COL, 67- Mem, S.C. Adv. Crmt. U.S. Crm. Civil Rights, 67; Am. Coun. Ed. Adminstr. Policy Crm. 68. Sociology of religion; social ethics. Address: Benedict College, Columbia, S.C. 29204.

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PEACHEY, PRES. LABAN, b. Springs, Pa, Apr. 6, 27; m. 53; c. 4. PSYCHOLOGY. B.A, Eastern Mennonite Col. 52; M.Ed. Virginia, 58; Ed.D. (counseling psychol), George Washington, 63. Prof. spychol. Eastern Mennonite Col. 54-67, registr, 56-58, dean of students, 57-66; PRES, HESSTON COL. 68-Res. assoc, Coun. Adv. Small Cols, D.C., 65-66; prof. Bridgewater Col. summer 64. Pres, Massanutten Ment. Health Center Bd. Va, 63-64; mem. bd. dirs, Penn Alps Asn, Md, 63-68. Psychol. Asn; Acad. Polit. & Soc. Sci. Student characteristics, a social psychology approach; student personnel services and programs in samll liberal arts colleges. Publ. Learning to understand people, Herald, 65. Address: Office of the President, Hesston College, Hesston, Kans. 67062.

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PEARSON, DR. RICHARD JOSEPH. Anthropology. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position: Assoc. prof., 69-, Dept. of Anthropology, University of Hawaii, Honolulu, Hawaii 98522.

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PECENKA, DR. JOSEPH OTTO, b. Chicago, Ill, Sept. 2, 30; m. 54; c. 2. BUSINESS MANAGEMENT. B.S, Carnegie-Mellon Univ, 52; M.S, Northern Illinois, 64; Ph.D. (bus.) Illinois, 67. Instr-therapist, Vet. Admin. Hosp, Downey, Ill, 53-55; teaching asst. indust. admin, Illinois, 64-66; asst. prof. admin, Antioch Col., 66-67; ASSOC. PROF. MGT, NORTHERY ILLINOIS, 67-History and financial analysis of postwar paper industry; key job characteristics related to business faculty recruitment; job satisfaction and motivation among semiskilled and unskilled workers; image formation among business schools. Address: Dept. of Management, Northern Illinois University, De Kalb, Ill. 60115.

PECHTEL, DR. CURTIS. Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Mem. faculty, Glendale Community Col, 68-Address: 1102 E. El Caminto, Phoenix, Ariz. 85020.

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PECKHAM, PROF. ROBERT SMITH, b. Philadelphia, Pa, Apr. 4, 37; m. 59; c. 2. POLITICAL SCIENCE. B.A, Albright Col, 59; Hopkins Sch. Adv. Int. Studies, 59-61; Syracuse, 64-68, Nat. Defense Ed. Act fel, 65-66. Mgt. Intern. Agency Int. Develop, 60-61, bus. analyst, 61-62; int. economist, U.S. Dept. Commerce, 62; instr. soc. sci. & hist, Madison Col, 63-64; ASST. PROF. POLIT. SCI, ALFRED, 69-4, ACTING CHMN. DEPT., 69-, dir. Africa Inst, summers 69 & 70. Polit. Sci. Asn, African Studies Asn. Problems of political development in developing areas especially structures and functional impacts of competing elite structures; special reference to Africa. Publ. Co-auth, A bibliography on anthropology and sociology in Uganda, 67 & A bibliography on Kenya, 68, Syracuse Univ; An experimental secondary school curriculum, Africa: conceptual-hypothetical design, Alfred Univ, 69. Address: P.O. Box 458, Alfred, N.Y. 14802.

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PEDERSEN, DR. EIGIL, b. Montreal, Que, Nov. 2, 29; m. 52; c. 6. SOCIOL-OGY, SOCIOLOGY OF EDUCATION. B. A. Sir George Williams, 56; M.A. McGill, 60; Ed.D. (soc. of ed), Harvard, 66. ASSOC. PROF. ED, MACDON. ALD COL, McGILL, 66- Sociol. Asn; Can. Sociol. & Anthrop. Asn. Social psychology of interpersonal and intergroup relations in educational contexts. Publ: Measured Kg related to teacher-estimated intelligence, McGill J. Ed, Vol, III, No. 1. Address? Po. Box 25; MacDonald College, Que, Can.

PEEK, ROLAND M(ANLEY). Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Acting res. dir, Dept. Pub. Welfare, State of Minn, 68-; asst. prof. psychol, Minnesota, 68- Address: Grey Cloud Island, St. Paul Park, Minn. 55071.

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PEIRCE, PROF. J(OHN) TREVOR, b. Boston, Mass, Oct. 15, 24. PSYCHOL-OGY. B.A, Princeton, 45; Ph.D. California, 57. Instr. soc. psychol, Harvard, 56-59, lectr, 59-60; asst. prof. PSYCHOL, Pittsburgh, 60-68, assoc. prof, 68-69; PROF. & CHMN. DEPT, BETHANY COL, 69- Psychol. Asn. Learning, motivation; physiological psychology. Address: Dept. of Psychology, Bethany College, Bethany, W.Va. 26032.

PEJOVICH, DR. SVETOZAR, b. Belgrade, Yugoslavia, Mar. 22, 31; U.S. citizen; m. 58; c. 3. ECONOMICS. LL.B, Belgrade, 55; Ph.D.(econ), Georgetown, 63. Asst. prof. ECON, St. Mary's Col, 62-66; assoc. prof. Dallas, 66-67; Texas A&M, 67-70; PROF, OHIO, 70- Nat. Sci. Found. grant in-serv. inst, 66-67; Relm Found. grant, 67-68; am. Asn. Learned Socs. grant, 68-69. Assoc. ed, Rev. Soc. Econ, 67- Econ. Asn. Economic theory, especially the role of property rights on the behavior of decision-makers. Publ: The marrket-planned economy of Yugoslavia, Univ. Minnesota, 66; Liberman's reforms and property rights in the Soviet Union, J. Law & Econ, 4/9; The Iirm, monetary policy and property rights in a planned economy, West. Conditions of the Property Prope

PELLEGRINI, DR. ROBERT J, b. Worcester, Mass, Oct. 21, 41; m. 62. PSY-CHOLOGY. B.A, Clark, 63; M.A, Denver, 66, Ph.D. (bsychol), 68. Nat. Inst. Ment. Health clin. trainee PSYCHOL, Denver, 63-64, res. fel, 64-67; ASST. PROF, SAN JOSE STATE COL, 67- Psychol. Asn. Spatial dynamics of human social behavior; social perception; interpersonal attraction. Publ. Coauth, The meaningfulness of Negro-White differences in intelligence, Psychological Control of the Control of the

PELLEGRINO, DR. LOUIS J(OHN), b. New York, N.Y. Apr. 16, 42; m. 65. PHYSIOLOGICAL PSYCHOLOGY, NEUROPSYCHOLOGY, B.A. Colgate, 63; M.A., McGill, 64, Nat. Inst. Ment. Health fel, 64-67, Ph.D. (psychol), 67. ASST, PROF, PSYCHOL), Lake Forest Col, 67-69; MIDDLEBURY COL, 69-Shell Found, faculty res. grant, Lake Forest Col, summer 68. AAAS; Psychol. Asn. Central nervous system mechanisms of learning, memory and emotional behavior. Publ: Co-auth, A stereotaxic atlas of the raf brain, Appleton, 67; auth, The effects of amygdaloid stimulation on passive avoidance, Psychonomic Sci, 65 & Amygdaloid lesions and behavioral inhibition in the rat, J. Comp. & Physiol. Psychol, 68. Address: Dept. of Psychology, Middlebury College, Middlebury, Vt. 05753.

PELLETIER, PROF. RAYMOND M(ARCEL), b. Mont-Laurier, Que, Dec. 4, 31; m. 61; c. 3. ECONOMIC GEOGRAPHY. B.A, Montreal, 58, M.A, 62;

Ph.D.(geog), Bordeaux, 68. Teacher geog, Nicolet Sem, 61-66; PROF, GEOG, Center of Univ. Studies, 68-69; QUEBEC, TROIS-RIVIERES, 69-Ministry of Ed. of Quebec grants, 67-68. Summers, Tech. officer, geog. br, Ottawa, 59-61, group leader, Bur. Mgt. E. Quebec, 64. Can. Asn. Geog. Rural population and economy; recreational geography; marketing. Publ: Evolution agricole de l'Ile Jesus, Revue Canadienne de Géographie, 62. Address: 439 Rue Monseigneur Courchese, Nicolet, Que, Can.

PELTO, DR. PERTTI JUHO. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Anthropology, University of Connecticut, Storrs, Com. 06268.

PELTON, DR. LEROY H(OWARD), b. New York, N.Y. Apr. 30, 40; m. 68; c. 3. PSYCHOLOGY. B.S. Brooklyn Col. 61; M.A. New Sch. Soc. Res., 63; Ph.D. Djsychol), Wayne State, 66. ASST. PROF. PSYCHOL, STATE UNIV. N.Y. ALBANY, 66- Psychol. Asn; Soc. Psychol. Study Social Issues. Cognitive processes; perception; social psychology; nonviolence. Publ: Coauth, Acceleration of reversals of a necker cube, Am. J. Psychol, 68 & A test of two measures of semantic satiation, J. Verbal Learning & Verbal Behay, 69; auth, Mediational construction vs. mediational perception in paired-associate learning, Psychonomic Sci, 69. Address: Dept. of Psychology, State University of New York at Albany, Albany, N.Y. 12203.

PELZ, DR. DONALD C(AMPBELL). Social Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 2406 Geddes Ave, Ann Arbor, Mich. 48104.

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PENNEY, PROF. NORMAN. Law. See 5th ed, Dir. Am. Scholars, Vol. 1V, Philos, Relig. & Law.

PEPPER, PROF. GEORGE B. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

PEPPER, DR. MAX PHILIP. Medicine, Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn, 69-, St. Louis University Medical School, 1402 S. Grand Blvd, St. Louis, Mo. 63104.

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PERKINS, DR. EUGENE REED, b. Beaver Creek, Minn, Apr. 4, 21; m. 41; c. 3. PSYCHOLOGY. B.S. St. Cloud State Col. 47; M.A. Minnesota, 52; Cincimati, 52-55, Regional Sci. Asn. fel. & Ed.D. (spec. ed. rehab, counseling), Colo. State Col. 67. Teacher, pub. schs, Minn, 47-50; part-time course, Minn, Serv. for Blind, 50-51; counser, pub. schs, Ohio, 52-55, sch. psychologist, 53-56; coordinator work experience prog. eve. high sch, 52-56; psychologist, ST. CLOUD STATE COL. 56-57, assoc. prof. PSYCHOL, 57-70, PROF. 70- Mobilization designee, Army Personnel Res. Off, 56-70. Coordinator, Rehab. Counseling Prog. 67. Consult. Minn, State Planning Agency & Div. Voc. Rehab, 68-59, U.S.A., 41-46, Nat. Guard Res, 46-70, Lt. Col. Nat. Rehab. Asn. Personnel & Guid Asn. Counseling process; counselor training; psychological impact of disability; computer applications to education and to learning. Address: Dept. of Psychology, St. Cloud State College, St. Cloud, Minn. 56301.

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TEXAS, ARLINGTON, 65. U.S.A, 59-60. Polit. Sci. Asn. How unconscious
emotions affect political attitudes and behavior. Publ: A modest proposal
for a change in the law on presidential succession and presidential disability, Southwest. Soc. Sci. Quart, 12/66. Address: Apt. 154, 927 Peach St,
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- PETRO, PROF. SYLVESTER. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
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- PFNISTER, PROF. ALLAN OREL. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
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inventory control model for Alabama wholesalers, J. Ala. Acad. Sci, 10/65, Inventory analysis; a source of savings for wholesalers, Ala. Bus, 11/65 & Bayesian statistics in retail inventory management, J. Retailing, summer 68. Address: Dept. of Management, University of Alabama School of Commerce, University, Ala. 54466.

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PICKER, DEAN ROBERT D, b. New York, N.Y. Oct. 13, 26; m. 57; c. 3. GE-OGRAPHY, HUMAN ECOLOGY. B.A. Columbia, 50, M.A. 52; Ph.D.(geog), Washington (Seattle), 62. Map ed, Gen. Dratting Co, 52-54; instr. geog, Col. Wooster, 54-56; acting instr., Washington (Seattle), 56-59; assoc. prof, Wis. State, Whitewater, 58-63; prof, San Francisco State Col, 63-69; PROF. GEOG. & DEAN INSTR. CALIF. STATE COL. SAN BERNARDINO, 69-U.S.A.A.F., 44-64. Aan. Am. Geog. Energetics in industrial societies; spatial ecology; military strategy. Address: California State College at San Bernardino, San Bernardino, Calif. 34401.

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PICKETT, DR. BETTY HORENSTEIN, b. Providence, R.I, Feb. 15, 26; m. 52. PSYCHOLOGY. A.B. Brown, 45, M.Se, 47, Abbott Alumnae & univ. fels. & Ph.D. 43. Asst. prof. psychol, Minnesota, Duluth, 49-51; lectr., Connecticut, 52; prinl. assoc, psychol. sci. bio-sci. info. exchange, Smithsonian Inst, 53-68; exce. secv, behav. sci. study sect., Nat. Insts. Health, 58-59, exp. psychol study sect, 58-61; consult. ment. health, U.S. Pub. Health Serv. Regional Off. Betton, 68-64; and 68-64; an

PICKLE, PROF. HAL B, b. Ennis, Tex, Jan. 16, 29; m. 53; c. 4. MANAGE-MENT. B.B.A, North Texas State, 59, M.B.A, 60; Ph.D.(mgt), Arkansas, 64. Employee, South. Pac. R.R, 53-60; asst. prof, Southwest Texas State, 62-64, assoc. prof, 64-69; PROF. MGT. AUBURN, 69- C.Eng, U.S.A, 51-52. Acad. Mgt. Organizational analysis; small business management. Publ; Personality and success: an evaluation of personal characteristics of successful small business managements. Small Business management accessful small business management accessful small business managements of effectiveness in small organizations, Admin. Sci. Co-auth, Seven societal criteria of organizational success, Personnel Psychol, 67 & Components of effectiveness in small organizations, Admin. Sci. Quart, 68. Address: Dept. of Management, Auburn University, Auburn, Ala. 36830.

PIEDRA, DR. ALBERTO MARTINEZ. Economic Development. See L-Z Vol, 11th ed, 8oc. & Behav. Vols. New position: Assoc. prof. & chmn, 67-, Dept. of Economics, Catholic University of America, Washington, D.C. 20017.

PIERCE, DR. JACK ROBERT. Zoology. See Suppl. V to 11th ed, Phys. & Biol. Vols.

PIERCE, DR. JOHN C, b. Tacoma, Wash, Sept. 16, 43; m. 66. POLITICAL SCIENCE. B.A. Puget Sound, 65; M.A. Minnesota, 67, Ph.D. (polit. sci), 69. Instr. POLIT. SCI. TILANE, 68-69, ASST. PROF, 69- Polit. Sci. Asn. Public opinion; political ideology. Publ: Co-ed, Readings on the American political system, Heath, 70; co-auth, Personality changes among delinquents, J. Soc. Psychol, 65; auth, Party identification and ideology, Midwest J. Polit. Sci., 70. Address: Dept. of Political Science, Tulane University, New Orleans, La. 70116.

PIERCE, DR. JOHN F, JR. Management Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: V.pres, 69-, Management Decision Systems, 680 Northland Rd, Cincinnati, Ohio 45240.

PIERCE, DR. JOHN R. Physiological Optics, Neuropsychology. See Suppl. V to 11th ed, Phys. & Biol. Vols.

PIERCE, DR. M(ERLE) SCHEFFEL. Speech. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

PIERCE, DR. ROBERT A, b. Hinsdale, Mass, Oct. 13, 37; m. 55; c. 3. CLINI-CAL PSYCHOLOGY. B. S. Springfield Col. 59; Chicago, 59-61; Ph.D. (clin. psychol), Rochester, 65. Instr. psychala, SCH. MED. & DENT, ROCHESTER, 65-67, ASST. PROF. PSYCHIAT. & PSYCHOL, 67- Nat. Inst. Ment. Health grant, 67-68. Col. Health Asn. Effect of needs on friendship choice; effect of group membership on mental health; community approaches to mental health on the college campus. Publ. Roommate choice and academic achievement, 4/68, Athletes in psychotherapy; how many, how come?, 2/69 & Modification of group therapy for use on the college campus, 2/70, J. Am. Col. Health Asn. Address: Dept. of Psychiatry & Psychology, University of Rochester School of Medicine & Dentistry, Rochester, N.Y. 14620.

PIERRE, DR. ANDREW J. Political Science, International Affairs. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Res. fel, 69-, Council on Foreign Relations, 58 E. 68th St. New York, N.Y. 10021.

PIERSON, PROF. DONALD. Sociology, Social Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1917 Arden Dr, Bloomington, Ind. 47401.

PIETROFESA, DR. JOHN JOSEPH, b. New York, N.Y, Sept. 12, 40; m. 63; c. 2. GUIDANCE, COUNSELING, B.Ed, Miami (Fla), 61, M.Ed, 63, Ed.D. (guid, counseling), 67. Instr. guid. & counseling, American Univ, 64; teacher, high sch. Fla, 65-66, counsr, 66-67; ASST. PROF. GUID. & COUNSELING, WAYNE STATE, 67- Co-dir., Ed. Professions Develop. Act. Inst. Pupil Personnel Serv, Wayne State, 69-70. U.S.A, 63-65, 1st L. Personnel & Guid. Asn; Psychol. Asn. Career and personality theory; counseling theory and research; sexual development. Publ. Co-auth, Guidance and counseling in the twentieth century, Houghton, 70, The counselor as a professional, Peacock, 71 & The authentic counselor, Rand McNally, 71. Address: 1569 Emmons, Birmingham, Mich. 48008.

PILBEAM, DR. DAVID ROGER, b. Brighton, Eng, Nov. 21, 40. PHYSICAL ANTHROPOLOGY, PRIMATOLOGY. B.A, Cambridge, 62; Ph.D. (biol., etc.) & anthrop, Yale, 57. Demonstr., phys. anthrop, Cambridge, 56-88; ASST. PROF. ANTHROP, YALE, 68- Wenner-Gren Found, fel, 68. Anthrop. Ass; Asn. Phys. Anthrop; Brit. Soc. Study Human Biol. Human and primate evolution; evolution of primate dentitions and masticatory apparatus; statistical applications in anthropology; relationships of structure, function, behavior, and ecology. Public Evolution of man, Thannes & Hudson, 70. Address: Dept. of Anthropology, Yale University, New Haven, Conn. 06520.

PILCHER, DR. WILLIAM W, b. Everett, Wash, Mar. 29, 30; m. 52; c. 2.
ANTHROPOLOCY, LINGUISTICS. B.A. Portland State Col. 63; Ph.D.(anthrop), Illinois, 70. Res. asst. urban anthrop, Illinois, 66-68; ASST. PROF.
ANTHROP, & LING, Western Michigan, 66-69; CALIF. STATE COL. LONG
BEACH, 69- U.S.M.C.R, 47-57, Sgt. Anthrop. Asn; Ethnol. Soc. Papago
ethnotaxonomy; Northwestern longshore subculture; urban structures, especially unions. Publ: Some comments on the folk taxonomy of the Papago,
Am. Anthropologist, 5/67. Address: California State College at Long Beach,
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PILISUK, PROF. MARC. Social & Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. residence, 69-, School of Social Welfare, University of California, Berkeley, Calif. 94720.

PILNICK, DR. SAUL, b. New York, N.Y. Aug. 14, 31; diy, c. 2. PSYCHOL-OCY, SOCIAL WORK. B.A, Brocklyn Col., 53; M.S. Columbia, 55; Ph.D. human rels. soc. psychol), N.Y. Univ, 65. Prog. dir. soc. work, Fountain House Found, 56-60; exec. dir. juvenile delinquency, Essexifelds Rehler Center, 60-65; PRES, BEHAV. SCT. RESOURCES INC, 65- Proj. dir. Collegefields Group Ed. Center, 65-67. Prof. Newark State Col, 62-65; instr, N.Y. Univ, 65-66. Consult, Essex County Guid. Center & Welfare Ed, 62-65; Kilmer Job Corps Center, 63-66. Group Psychother. Asn; Sociol. Asn; Psychol. Asn; Nat. Asn. Soc. Workers; Nat. Coun. Crime & Delinquency, Publ: Co-auth, The peer group in adolescence, N.Y. State Div. Youth, 68 & From delinquency to freedom, Spec. Child Pub. Seattle, Wash, 70; The Essextields concept: a new approach to the social treatment of juvenile de-linquents, J. Appl. Behav. Sci, 66. Address: Summit Hill, Apt. E6, Springfield, N.J. 07061.

PIMM, DR. JUNE BARBARA, b. Ottawa, Ont, June 8, 27; m. 48; c. 3. PSY-CHOLOGY. B.A, McGill, 48, M.Sc, 52; Ph.D.(child exp. psychol), Carleton, 68. Lectr. psychol, Carleton, 55-62 & 68-69, nursery ed, 65-68; V.PRES, PIMM CONSULTS, 69- Consult, Dept. Vet. Affairs, Children's Aid, Stevenson & Kelogg & Ont. Ment. Health Clin, 52-60; psychologist, Ottawa Rehab. Inst, 60-62; sch. psychologist, Ottawa Pub. Sch. Bd, 61-66. Nat. Asn. Sch. Psychol; Coun. Except, Children: Can. Psychol. Asn. Address: Pimm Consultants, 85 Sparks St, Suite 211, Ottawa, Ont, Can.

PINCOFFS, PROF. EDMUND L(LOYD). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

PINCUS, DR. JOHN ALEXIS. Economics. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. Calif. Prog, Rand Corp, 69- Address: 518 Georgina Ave, Santa Monica, Calif. 90402.

PINDELL, HOWARD D(OUGLAS). Court Administration. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position & address: Chief of supv. 70-, Common Pleas Court of Philadelphia, Room 111, City Hall, Philadelphia, Pa. 19107.

PINDERHUGHES, DR. CHARLES A, b. Baltimore, Md, Jan. 28, 19; m. 44; c. 5. PSYCHIATRY. A. B, Dartmouth Col. 40; M. D, Howard, 43; Bostel Psychoanal. Inst, 49-58. Intern, Freedmen's Hosp, 43-44; resident physician, Cushing Gen. Hosp, Framingham, Mass, 47-49, staff psychiatrist, 49-54; dir. prin. ed. & res. Bedford Vet. Admin. Hosp, 54-56; from chief Closed wards to DIR. PSYCHIAT. RES, BOSTON VET. ADMIN. HOSP, 56-, staff psychiatrist, 49-54. Assoc. clin. prof. psychiat, sch. med, Tutts, 64-, asst. dean, 69-70; lectr, sch. med, Harvard, 64- Consult, Worcester State Hosp, 53-56; Mass. Ment. Health Center, 58- Mem, Surgeon Gen. Sci. Adv. Cmt. Relationship of TV & Soc. Behay, 69-70. Med.C, U.S.A, 44-46, Capt. Development and study of hypotheses relating somatic, psychological and social behavior; clinical psychiatry; psychosomatic medicine; psychodynamics of racial and other social conflict. Publ: The psychodynamics of dissent, In: The dynamics of dissent, Grune, 68; Psychiatric aspects of idiopathic cardiomyopathy, Psychosom. Med, 1-2/69; Understanding black power; processes and proposals, Am. J. Psychiat, 5/69. Address: 82 Marlborough St, Boston, Mass. 02116.

PINE, DR. FRED. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 68t-, Dept. of Psychiatry, Albert Einstein College of Medicine, 1300 Morris Park Ave, Bronx, N.Y. 10461.

PINE, DR. IRVING. Psychiatry. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Clin. prof. psychiat, col. med, Ohio State, 69- Address: 3545 Olentangy River Rd, Columbus, Ohio 43214.

PINEO, PROF. PETER CAMDEN. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 68-, Dept. of Sociology, Mc-Master University, Hamilton, Ont, Can.

PINKERTON, DR. JAMES R(ONALD). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. rural sociol. & faculty res. assoc. bus. & pub. admin. res. center, Missouri-Columbia, 69- Address: Dept. of Rural Sociology, University of Missouri, Columbia, Mo. 65201.

PINSKER, DR. HENRY, b. Savannah, Ga, Dec. 9, 28; m. 61; c. 2. PSYCHIA-TRY. B.S, Col. William & Mary, 50; M.D, Duke, 54. Staff psychiatrist, Vet. Admin. Hosp, New York, N.Y, 60-62; assoc. New York Med. Col, 62; assot. New York Med. Col, 62; assot. Prof. psychiatrist, 64t; post-prof. 66-68; ASSOC. CLIN. PROF. PSY-CHIAT, Mr. SINAI SCH. MED, 68- Clin. psychiatrist, Metropolitan Hosp, New York, N.Y, 62-68; in-patient serv, Beth Israel Hosp, 68- Teaching asst, sch. med, N.Y. Univ. 60-67, clin. instr. 67-69. US.A, 55-57, Capt. Fel. Psychiat. Asn; Orthopsychiat. Asn; Asn. Adv. Psychother. Psychiatric treatment; hospital and psychotherapy; nosology; psychopathology. Address: 50 E. Tenth St, New York, N.Y. 10003.

PINTO, DR. ALCIDES. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 113 Legion Ave, Annapolis, Md. 21401.

PIPER, DR. DON COURTNEY. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Also head, 68-, Dept. of Government & Politics, University of Maryland, College Park, Md. 20142.

PITBLADO, DR. COLIN B, b. Hartford, Conn, Nov. 18, 39; m. 63; c. 1. EX-PERIMENTAL PSYCHOLOGY. B. A. Connecticut, 61; A.M. Boston, 63; Ph.D. (exp. psychol), 65. Res. asst. systs, Sperry Rand Res. Center, Mass, 64-66, res. staff mem, 66-67; ASST. PROF. PSYCHOL. COL. OPTOM, PACIFIC UNIV, 67-1 Inst. Neurol. Diseases & Stroke grant, 69-72. Visual perception of distance and size; stereoscopic vision; perceptual development; adaptation to displaced images and polical distortion of form; human spatial orientation; visual dissons. Address: College of Optometry, Pacific University, Forest Grove, Ore. 97116.

PITT, DR. DAVID CHARLES. Social Anthropology, Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New publ: Tradition and economic progress in Samoa, Oxford. Address: Dept. of Anthropology & Sociology, University of Victoria, B.C., Can.

PITTARD, DR. BARBARA B, b. Atlanta, Ga, Dec. 25, 19; div; c. 2. SOCI-OLOGY, RELIGION. A.B. Ogelthorpe, 52; M.A. Emory, 55, Ph.D.(sociol, religi, 63; Georgia, 68-69. Asst. prof. SOCIOL, GEORGIA STATE, 63-67, ASSOC. PROF, 67-Consult, Ga. Cmt. Nat. Coun. Crime & Delinquency, 64-67; Pres. Cmn. Law Enforcement & Admin. Justice, 66-67; Nat. Defense Ed. Act Inst. Teachers Disadvantaged Youth, 68; Undergrad. Curriculum Social Work, Abraham Baldwin Col, 68-69. With Ed. Media Inst, Univ. Ga, 68-69. Sociol. Asn; Soc. Sci. Study Relig; Relig. Res. Asn; Soc. Study Soc. Probs; Rural Sociol. Soc. Sociology of religion; methods and urban sociology; ement of commitment to the church, Ga. State Col, 66; Co-auth, Protestant parish, Communicative Arts Press, 67 & Divorce in the middle years, Sociol. Symposium, 70. Address: Dept. of Sociology, Georgia State University, Atlanta, Ga. 30303.

PITTERMAN, PROF. MARVIN. Finance. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Also chmn. Dept. Finance & Insurance, Rhode Island. Address: 151 Bretton Woods Dr, Cranston, R.J. 02920.

PITTS, DR. GAYLORD E. Political Science, Education. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Area manpower analyst, 69-, California Dept. of Human Resources Development, 1525 S. Broadway, Los Angeles, Calif. 90015.

PITTS, DR. RUTH ANN, b. Denver, Colo, Feb. 9, 37. SOCIOLOGY. A.B. Brown, 59; M.A., California, Berkeley, 63; Ph.D.(sociol), Washington (St. Louis), 68. ASST., PROF. SOCIOL, State Univ. N.Y. Stony Brook, 67–69; MONTREAL, 69- Consult, Metrop. Youth Cum, St. Louis, 66-67. Sociology Ann. Political sociology with emphasis on France and Latin America. Publ. DeCaulle and the legitimacy of power, Sociologic et Societae, 2004. Address: Dept. of Sociology, University of Montreal, C.P. 6128, Montreal,

PIVEN, DR. FRANCES FOX, b. Oct. 10, 32; U.S. citizen: div; c. 1. POLIT-ICAL SCIENCE, URBAN PLANNING. B.A. Chicago, 53, M.A., 56, Ph.D. (soc. sci), 62; fel, Columbia, 58-60. Res. asst. area studies; Univ. Chicago, 54-56; city planner, Yoorchees, Walker, Smith & Smith, 56-58; study dir. polit. anal, Mobilization for Youth, 62-66; asst. prof. POLIT: SCL & SOC. WEL-

FARE, SCH. SOC. WORK, COLUMBIA, 66-69, ASSOC. PROF, 69. Lectr, urban planning prog, grad. div, Hunter Col., 66-67; Ford Found. travel study award, 68-69. Consult, Off. Econ. Opportunity, 65-66; Ford Found, 67-68; Nat. Weilare Rights Orgn, 69. Mem. policy cmt, Planners for Equal Opportunity, 68-70. Polit. Sci. Asn; Inst. Planners. Urban politics and planning; politics of social welfare. Publ: From crisis to crisis; the role of relief giving in moderating political disorder, Pantheon, 71; Weilare for whom, In: Reader in urban government, Free Press, 69; Federal intervention in the cities, In: Handbook on social problems, Rand McNally, 70. Address: Dept. of Political Science, Columbia University School of Social Work, 2 E. 91st St, New York, N.Y. 10028.

PLAGER, PROF. SHELDON J. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

PLANINSIC, DR. JOSEPH, b. Slovenia, Yugoslavia, Feb. 19, 15; U.S. citizen; m. 55; c. 2. POLITICAL SCIENCE, LAW. J.U.D, Ljubljana, Yugoslavia, 42; Ph.D. (polit. sci), Rome, 47; M.A. Chicago, 61. Prof. polit. sci, Trieste, 47-55; asst. prof. GRAD. SCH. AFRICAN AFFAIRS, DUQUESNE, 61-66. ASSOC. PROF. SOC. STUDIES, 66. Lectr, Calif. State Col. (Pa), 66; U.S. Govt. grant, Africa, summer 65. African Studies Asr; Polit. Sci. Asn. Politics of developing nations; world politics. Publ: West bows to East—Yalta twenty years after, Duke, 65; The golden age of frescoes—Slavic medieval masterpieces, 67 & Nationalism among emerging nations, 70, In: Contribution to scholarship, Calif. State Col. Address: 733 Sherwood Ave, Pittsburgh, Pa. 15204.

PLANTZ, PROF. DON V, b. El Dorado, Kans, Apr. 11, 19; m. 41; c. 3. ECO-NOMICS. B.S. Kansas, 48, M.B.A. 50; fel, Indiana, 50-52, Ford Found, fel, 56-57, Ph.D. (econ.), 57. Instr. ECON, Kansas, 48-50, asst. prof, 54-60; assoc. prof, ARIZONA STATE, 60-67, PROF, 67- Mem. adv. coun, Cmnr. Health, Ed. & Welfare, 66-68. U.S.A., 40-42, 7/5gt. Econ. Asn. History of economic thought; prices and living conditions; microeconomic theory and application to management. Publ: Co-auth, The Kansas state unemployment compensation act, Kans. State, 60; auth, Cournot's recherches: some insight on its influence upon the development of economic thought, West. Econ. J. 64; This business of forecasting economic trends, Artiz. Bus. 2011, 69. Address: Dept. of Economics, Arizona State University, Tempe, Ariz. 85281.

PLATH, DEAN W(IEDE), b. Beatrice, Nebr, Nov. 15, 27; m. 51; c. 3. EX-PERIMENTAL PSYCHOLOGY. B.A, Carleton Col. 51; M.A, Mich. State, 59. Scientist, elec. boat div., Gen. Dynamics Corp., 59-62; sr. res. engr, AUTONETICS DIV, N.AM. ROCKWELL CORP., 62-66, group scientist, 66-69, SUPVR, 69- U.S.N, 45-47, Res, 52-62, Lt. Psychol. Asn; Human Factors Soc. Engineering psychology: the integration and display of information for control of compiex whiches. Publ. Co-auth, Submarine control with the combined instrument panel and a contact analog-roadway display, J. Eng. Psychol, 4762; The thumbwheel switch as a data entry device, 10, 67 & auth. The readability of segmented and conventional numerals, (in press), Human Factors J. Address: 18102 Lucero Way, Tustin, Calif. 92680.

PLATT, DR. HENRY. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Dir. psychol. serv, Chandler-Drake Inc, 69- Address; 5 Eisenhower Dr., Malvern, Pa. 19355.

PLATT, WILLIAM J(AMES). Industrial Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir. ed. planning & financing, 70-, UNESCO, Place de Fontenoy, Paris TE, France.

PLATZ, DR. ARTHUR (ROBERT), b. Erie, Pa, Nov. 11, 27. EXPERIMENTAL PSYCHOLOGY. B.A, Wayne State, 50; Ph. D. (psychol), Michigan, 62. Res. psychologist, Vet. Admin. Cent. Neuropsychiat Res. Lab, 63-66; ASST. PROF. PSYCHIAT. & DIR. BEHAV. RES. ALCOHOLISM CLIN, COL. MED. STATE UNIV. N.Y. DOWNSTATE MED. CENTER, 67.—U.S.A, 46-47. AAAS; Psychol. Asn. Drug effects on learning and behavior; neurophysiological correlates of learning; personality and experimental determinants of verbal behavior. Publ. Time and dosage effects of meprobamate on visual detection, Psychopharmacologia, 64; co-auth, Effects of anxiety on the intelligibility of verbal communication in psychotherapy, Personality & Soc. Psychol 55 & Evoked potentials: modifications by classical conditioning, Science, 69. Address: Dept. of Psychiatry, College of Medicine, State University of New York Downstate Medical Center, 450 Clarkson Ave, Brooklyn, N.Y. 11203.

PLAUT, DR. THOMAS F (RANZ) A (LFRED). Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. div. manpower & training prog, Nat. Inst. Ment. Health, 70- Address: 5502 Western Ave, Chevy Chase, Md. 20015.

PLEDGER, PROF. W. FERRELL. Sociology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New information: Also head, dept. sociol. & dir. Evening Division & Summer Session, Centenary College, Shreveport, La. 71104.

PLESHER, DR. MICHAEL A. Economics. See 11th ed, Soc. & Behav. Vols, deceased 68.

PLISKOFF, PROF. STANLEY STEWART, b. New York, N.Y., Jan. 24, 30; m. 57. PSYCHOLOGY. A.B, N.Y. Univ, 51, M.A, 53, Ph.D, 56. Instr. psychol, Maryland, 57-58; exp. psychologist, U.S. Army Chem. Corps, 58-61; asst. prof. & res. assoc. PSYCHOL, Maryland, 61-64, assoc. prof. 64-65; Arizona State, 65-67; assoc. dir, Inst. Behav. Res, 67-69; PROF. MANE, 69-U.S.A, 55-57. AAAS, Psychol. Asn. Learning and motivation. Publ: Co-auth, Some discriminative properties of lixed ratio performance in the pigeon, 9: 1-8, A method for increasing the reward magnitude of intracranial stimulation, 10: 281-296 & The relative and reinforcement rates in a multiple schedule. 11: 271-284, J. Exp. Anal. Barting and Markers Dept. of Psychology, University of Maine, Orona, Maine 04473.

PLOG, DR. FRED T, b. Ft. Monmouth, N.J, July 19, 44; m. 66; c. 3. AN-THROPOLOGY. B.A, Northwestern, 66; M.A, Chicago, 68, Ph.D.(anthrop), 69. ASST. PROF. ANTHROP, CALIFORNIA, LOS ANGELES, 69-Anthrop. Asn; Soc. Am. Archaeol. Southwestern United States prehistory; method

- and theory of anthropology; rural development. Publ: Co-auth, Beyond the frontier: social process and cultural change, Natural Hist, 67. Address: Dept. of Anthropology, University of California, 405 Hilgard Ave, Los Angeles, Calif. 90024.
- PLOSCOWE, MORRIS. Criminal & Family Law, Criminology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- PLOSS, DR. SIDNEY I, b. Brooklyn, N.Y. Aug. 19, 32; m. 66. POLITICS. B.A, Syracuse, 53; Ph.D.(Russian regional studies), London, 57. Res. specialist, U.S. Dept. State, 60-62; vis. assoc, center int. studies, Princeton, 62-64; asst. prof. polit sci. Pennsylvania, 64-66; ASSOC. RES. PROF. INT. AF-FAIRS, GEORGE WASHINGTON, 66-Lectr. Howard, 67. U.S.A, 2nd Lt. Contemporary Soviet politics, history. Publi Conflict and decision-making in Soviet Russia, Princeton, 65: Soviet political process: readings, Blaisdell, 70; Interest groups, in Prospects for soviet Society, Praeger, 66. Address: 6116 Massachusetts Ave. N.W., Washington, D.C. 20016.
- PLOTNICK, PROF. ALAN R(ALPH). International Trade. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Economics, New Haven College, West Haven, Com. 06316.
- PLOTNICOV, DR. LEONARD. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Dept. of Anthropology, University of Pittsburgh, 234 Atwood St, Pittsburgh, Pa. 15213.
- PLOTNIK, PROF. MORTIN J(OSEPH). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 69. Address: 14 Two Ponds Rd, Greengate, Falmouth, Mass. 02541.
- PLOTNIK, DR. ROD, b. Browerville, Minn, Apr. 15, 39; m. 65. PHYSIOLOGI-CAL PSYCHOLOGY. B.S, 81, 50hn's (Minn), 61; M.S, Miami (Fla), 63; Nat. Insts. Health fel, Florida, 65-66; Ph.D, 66. Nat. Insts. Health fel, 66-68; ASST. PROF. PSYCHOL, DEPT. PSYCHIAT, SCH. MED, YALE, 68- AAAS; Psychol. Asn. Studying the social structure of different monkey groups; exploring the neurophysiological basis of aggression in monkeys using brain stimulation and lesion techniques. Address: Dept. of Psychiatry, Yale University School of Medicine, New Haven, Conn. 06511.
- PLUMMER, DR. NOEL A (RTHUR). Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Acting dir. psychol. serv, 69-, Woodville State Hospital, Carnegie, Pa. 15106.
- PLUTCHIK, DR. ROBERT. Experimental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. eval. res. prog, Bronx State Hosp, 68-, assoc. prof, psychiat, Albert Einstein Col. Med. Address: Bronx State Hospital, 1500 Waters Place, Bronx, N.Y. 10461.
- PLYM, DR. DONALD LESTER, b. Evanston, Ill, Sept. 2, 27; m. 62; c. 2.
 COUNSELING PSYCHOLOGY, PHILOSOPHY. B.S. Northwestern, 50, M.A.
 51. Ph.D. (counseling), Arizona, 66. Teacher & counsr, jr. high sch, Iowa,
 51. 52; res. asst. ed. psychol. & sociol, Univ. Iowa, 52-53; asst. traffic mgr,
 Ill. Beil Tel. Co, 53-56, personnel supvr, 55-58; asst. traffic supt, Pacific
 Tel. Co, 58-61, commercial mgr, 61-63; intern counseling psychol, Arizona,
 65-66; asst. prof. COUNSR. ED, GANNON COL, 66-70, ASSOC. PROF. 70Lectr, indust, pub, private & orgn. groups, 66-, counsr, private practice,
 66-, head counsr, Upward Bound Prog, 67-68, dir. insight training, 69Consult, psychologist, 67-; interpersonal commun. consult, Am. Sterilizer
 Co, 65- U.S.A, 45-47. Personnel & Guid. Asn; Psychol. Asn. The development of macro counseling and macro philosophy. Publ: Education 2050:
 hope for the future, Gannon. 68; Macro counseling; increasing human awareness, Parker, (in press); Macro counseling and macro philosophy. Asn. Res.
 & Enlightenment J, spring 68. Address: 408 W. Sixth St, Erie, Pa. 16507.
- POCK, PROF. JOHN C. Sociology, Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Vis. prof. sociol, 69-, Dept. of Social Relations, Johns Hopkins University, Baltimore, Md. 21218.
- POCKRASS, DR. ROBERT MATTHEW, b. Albany, N.Y., Mar. 8, 37. POLITI-CAL SCIENCE. B.S. Connecticut, 58; M.A. Columbia, 62; D.S.S. Syracuse, 68. ASST. PROF. POLIT. SCI, STATE UNIV. N.Y. COL. BUFFALO, 66-Polit. Sci. Asn, Hist. Asn, Acad. Polit. & Soc. Sci. State and local government; change initiation in a bureaucratic system; school integration. Address: 490 Richmond Ave, Buffalo, N.Y. 14222.
- PODDAR, DR. BHAGWATI P(RASAD) K. Political Science, Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 69-, Dept. of Sociology, Youngstown State University, Youngstown, Ohio 44503.
- PODELL, PROF. LAWRENCE. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Office of Urban Studies, City University of New York, 33 W. 42nd St, New York, N.Y. 10036.
- PODOSKI, JOSEPH J(UNOSZA). Economics. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 69. New publ: Guidance and control, Aerospace Tech. Div, Library Cong, 68. Address: 3732 Windom Place N.W. Washington, D.C. 20016.
- POE, PROF. ROBERT LEROY. Mathematics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- POE, PROF. W(EYLAND) DOUGLAS. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also acting head, 69-, Dept. of Economics, Illinois State University, Normal, Ill. 61761.
- POEN, DR. MONTE M(AC). Recent United States History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- POGGIE, DR. JOHN JOSEPH, JR, b. Hartford, Conn, Oct. 9, 37; m. 64; c. 2. ANTHROPOLOGY. B.A, Connecticut, 59; M.A, La. State, 61; Nat. Inst. Gen. Med. Sci. feli. & Ph.D. (anthrop), Minnesota, 68. Res. assoc. ANTHROP, Min-

- nesota, summer 68; ASST. PROF, New Brunswick, 68-69; RHODE ISLAND, 69- Consult, Inst. Int. Ed. Seminar Econ. Develop. & Social Change, Univ. Minnesota, 65. Fel. Anthrop. Asn; Soc. Appl. Anthrop. Anthropology of modernization; psychological anthropology, kinship and family; Latin America, especially Middle America; peasants. Publ: Co-auth, Matrilateral asymmetry in the American kinship system, Anthrop. Quart, 1/69 & Contact, change industrialization in a network of Mexican villages, Human Orgn, fall 69. Address: Dept. of Sociology & Anthropology, University of Rhode Island, Kingston, R.I. 02881.
- POGUE, DR. RICHARD EWERT. Biometry, Biomedical Computing. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- POHLMAN, PROF. EDWARD W(ENDELL), b. Chuchokee Malyan, Pakistan, Jan. 30, 33; U.S. citizen; m. 56; c. 2. PSYCHOLOGY. B.A, La Sierra Col, 53; M.A, Andrews, 56; M.A, Chio State, 57; Ph.D. (psychol), 60. Asst. prof. PSYCHOL, UNIV. OF THE PACIFIC, 61-64, assoc. prof. 64-69, PROF. 69-Vis. prof. Cent. Family Planning Inst, New Delhi, India & res. assoc, Carcolina Pop. Center, North Carolina, Chapel Hill, 67-69. Summer consult, Nat. Inst. Child Health & Human Develop, Wash, 67; WHO, Geneva, 69. Psychol. Asn; Pop. Asn. Am. Psychological aspects of family planning and population, including family size desires, contraception, sterilization, abortion, and roles of women as related to motherhood. Publ: The psychology of birth planning, Schenkman, 69; Incentives and compensations in population control, Carolina Pop. Center, (in press); co-auth, Children, teachers and parents view birth planning, Cent. Family Planning, Inst, (in press). Address: Dept. of Psychology, School of Education, University of the Pacific, Stockton, Calif. 95204.
- POKEMPNER, STANLEY J(ESSE). Economics, Statistics. See L-Z Vol, 11th ed, 50c. & Behav. Vols. New position: Dir. mgt. sci. progs, Nat. Indust. Conf. Bd, 69- Address: 249 Shady Brook Lane, Princeton, N.J. 08540.
- POKORNY, DR. JOEL. Experimental Psychology, Physiological Optics. See 12th ed, Phys. & Biol. Vols.
- POLLACK, DR. GERALD A(LEXANDER). Economics. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position: V.pres, corp. develop, Bendix Corp, 69-Address: 400 Yarmouth Rd, Birmingham, Mich. 48009.
- POLLACK, DR. IRWIN W. b. Philadelphia, Pa. Aug. 14, 27; m. 57; c. 2. PSY-CHATRY, EXPERMENTAL PSYCHOLOCY. B.A. Temple, 50; M.A. Columbia, 51; Pennsylvania, 51-54; M.D. Vermont, 56. Nat. Inst. Ment. Health training grant psychiat, 57-60; instr. psychiat, sch. med, Hopkins, 61-64, asst. prof, 64-68, assoc. prof, 68-69, instr. med, 61-69, dept. chief, Sinai Hosp. Baltimore, 64-69; ASSOC. PROF. PSYCHAT. & DIR. MENT. HEALTH CENTER, MED. SCH, RUTGERS, 69- U.S.N.R., 45-46. Psychiat. Asn; Psychosom. Soc. Human spatial and temporal orientation; psychosomatic medicine; small group phenomena. Publ.: Studies of the special patient, 10, 63 & co-auth, Social class and the subjective sense of time, 7/69, Archives of Gen. Psychiat; auth, The effect of deprivation of sight on subjective time sense, Psychosom. Med, 1/65. Address: Community Mental Health Center, Rutgers University Psychiatric Institute, New Brunswick, N.J. 08903.
- POLLACK, PROF. MAX. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychol, Queen's Col.(N.Y), 69- Address: Dept. of Experimental Psychiatry, Hillside Hospital, Glen Oaks, N.Y. 11004.
- POLLACK, DR. ROBERT HARVEY. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Psychology, University of Georgia, Athens, Ga. 30601.
- POLAKOFF, PROF. MURRAY E(MANUEL). Finance, Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also v.dean, 68-, Graduate School of Business Administration, New York University, New York, N.Y. 10006.
- POLIZZI, DR. JOSEPH ANTHONY. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Consult, Sociological Assocs, 69- Address: 82 Yorkshire Rd, Rochester, N.Y. 14609.
- POLLIO, PROF. HOWARD R. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof., 69-, Dept. of Psychology, University of Tennessee, Knoxville, Tenn. 37916.
- POLLOCK, DAVID H(AROLD). Economic Development, International Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Spec. adv, ILPES, 69-, UN ECLA/ILPES, Washington Office, 1819 H St. N.W, Washington, D.C. 20006.
- POLLOCK, PROF. JAMES K(ERR). Political Science. See 11th ed, Soc. & Behav. Vols, deceased 68.
- POLOPOLUS, DR. LEONIDAS. Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. agr. econ. & asst. dean grad. sch, 69-, University of Florida, 235 Tigert Hall, Gainesville, Fla. 32601.
- POLSKY, PROF. NED, b. New York, N.Y. Oct. 20, 28; m. 59; c. 1. SOCIOL-OGY. B.A., Wisconsin, 48; Chicago, 48-50. Ed-in-chief, Free Press, 54-57, dir, 61-63; exec. ed. col. dept, T.Y. Crowell Co, 57-58, head col. dept, St. Martin's Press, 59-61; ASSOC, PROF. SOCIOL, STATE UNIV. N.Y. STONY BROOK, 64- Summers, State Univ. N.Y. Res. Found. faculty res. fel, grad. sch, State Univ. N.Y. Stop Prook, 68. Consult, anti-poverty opers. bd, Off. Mayor, New York, 64; drug studies prog. U.S. Nat. Student Asn, 68, 69; drug. ed. prog. Jr. League of New York, 69; consult, guru, Marihuana Rev, 70- Ed-in-chief, Chicago Rev, 49-50. Sociol. Asn; Soc. Study Social Probs. Sociology of crime, delinquency and deviance; sociology of the arts; methods in historical sociology; sociology of sports and games. Publ: Hustlers, beats, and others, Aldine, 67, Dubleday Anchor, rev. ed, 69 & Penguin Books, Ltd, rev. ed, 70; The Ilfe and art of James Joyce, New Leader, 60. Address: Dept. of Sociology, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.

POMERANZ, DR. DAVID MELVIN, b. Brooklyn, N.Y, Nov. 27, 36; m. 68. PSYCHOLOGY. B.S, Brooklyn Col, 58; Ph.D. (psychol), Rochester, 63. Instr. med. psychol, med. sch, Oregon, 63-64; res. assoc. PSYCHOL, Stanford Univ. & Vah Palo Alto, 64-65; vis. asst. prof, STATE UNIV. N.Y. STONY EROCK, 65-66, sass. prof, 66-69, ASSOC. PROF, 69 - Fel, 63-64. Behavior modification and the psychology of behavior influence. Publ: Coauth, Conditioning and transfer of therapist operations, 65 & Role of assessment in behavior modification, 68, Psychol. Reports; Effect of a placebo on a simple motor response, Perceptual & Motor Skills, 69. Address: Dept. of Psychology, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.

POMEROY, DR. EDWARD W. G. b. Victoria, B.C. July 6, 40; m. 66; c. 1. CLINCAL PSYCHOLOCY. B.A. Victoria, 62; M.A. Colorado, 65, Ph.D.(clin.psychol), 68. Clin. intern. PSYCHOL, Vet. Admin. Hosp, Denver, 63-65; res. assoc, Human Interaction Res. Inst., d. Angeles, 68-67; ASST. PROF. Laurentau Univ. 68-69; ROCK, 69. Acting the Manual Psychology Algoma Sanatorium, Ont, 68-69; consult, 69- R.C. N.R. Lt. Am. Psychoty Algoma Sanatorium, Ont, 68-69; consult, 69- R.C. N.R. Lt. Am. Psychoty Algoma Sanatorium, Ont, 68-69; consult, 69- R.C. N.R. Lt. Am. Psychoty of the consultation of the communities of Denver and Pueblo, Colorado, Human Interaction Res. Inst, 67, A cross-cultural format for national mental health program analysis, Community Ment. Health J, 69 & Classification of low level jobs: a research scale, In: The experimental publication system, Catalog Abstracts, 9/69. Address: Dept. of Psychology, Brock University, St. Catherines, Ont, Can.

POMEROY, DR. LEON R. b. Westfield, Mass, Dcc. 6, 33. BEHAVIORAL SCIENCE, BIOLOGY. B.A, Massachusetts, Amherst, 59, M.A, 61; dipl, Brain Res. Inst, Mexico City, 64; Ph.D.(psychol), Texas, Austin, 67. Res. asst. to Prof. Roger Williams, Clayfon Found. Biochem. Inst, Texas, Austin, 61-65, res. elec. engr., asst. to Prof. A.J. Welch, biomed. eng. dept, 65-67; asst. prof. PSYCHOL, LONG BIAAD, 67-70, ASSOC. PROF, 70- Fel. Inst. Adv. Study, New York, 69-; vis. prof., Queens Coli. NY, summer 69. Psychol. Asn. Behavior change technology; computer applications in behavioral sciences; personality, drug, hypnosis and vitamin investigations. Publ: Computer assisted electroencephalographic analysis of chick pyridoxim deficiency states, Tech. Report No. 36, Lab. Electronics & Related Sci. Res, Col. Eng., Univ. Texas, Austin, 67; assoc. ed. Handbook of general psychology, Prentice-Hall, (in press); auth, Brain electrode preparation for the gross EEG monitoring of large chick samples, Electroencephalog. Clin. Neurophysiol, 68. Address: Drawer B, Brooklyn Heights, N.Y. 11202.

POMNICHOWSKI, PROF. ALEX S, b. Wyandotte, Mich, July 30, 29; m. 53; c. 3. MANAGEMENT. B. A. Eastern Michigan, 51; M. A. Michigan, 52; M. B. A. 59, Ph. D. (bus), 51; Mich. State, 64-65. Instr, pub. schs. Mich. 54-56; bus, Michigan, 56-59; prof. & chmn. dept, Parsons Col. 61-67; PROF. BUS. ADMIN. & HEAD DEPT, FERRUS STATE COL., 67- Vis. prof. St. Cloud State Col., 66; participant, Found. Econ. Ed, summer 66. Judge Advocate Gen.C, U.S. A., 52-54. Econ. Asn; Acad. Mgt; Indust. Rels. Res. Asn; Soc. Training and development of managers; management value systems; comparative administration, industrial relations systems. Address: Dept. of Business Administration, Ferris State College School of Business, Big Rapids, Mich. 49307.

PONTHIEU, DR. LOUIS DAVID, b. Galveston, Tex, Mar. 8, 40; m. 64; c. 1. MANAGEMENT. B. B.A., North Texas State, 62, M.B.A., 63; Ph.D.(bus. admin), Arkansas, 69. Instr. bus. admin, North Texas State, 62-63; econ. & mgt, Arkansas, 63-67; ASSOC. PROF. MGT, TEXAS TECH, 67- Texas State appropriated res. award, 68-69. Mgt, Asn; Acad. Mgt; Soc. Personnel Admin. Manpower analyses of utilization of human resource groups, especially the disadvantaged, handicapped, creative personnel and women. Publ. Successful zero defects management; some research findings, South. J. Bus, 7/69; co-auth, How hospital administrators waste time, Hosp. Mgt, 8/69. Address: Dept. of Management, Texas Tech University, Lubbock, Tex. 79409.

POOL, DR. D(AVID) IAN. Demography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. prof., international Population Program, Cornell University, Ithaca, N.Y. 14850.

POOLE, PROF. CHARLES P(INCKNEY). Psychology. See L-Z Vol, 11th ed, 500. & Behav. Vols. New information: Independent consult. psychologist, 501. Address: 901 Watson Rd, Mt. Pleasant, Mich. 4885.

POOLE, LYNN D. Public Relations. See 11th ed, Soc. & Behav. Vols, deceased 69.

POOLE, DEAN RICHARD W(ILLIAM). Economics, Statistics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: College of Business Administration, Oklahoma State University, Stillwater, Okla. 74074.

POOLE, DR. WILLIAM. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Economist, 69-, Division of Research and Statistics Board of Governors of the Federal Reserve System, Washington, D.C. 20551.

POPE, DR. BENJAMIN. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Sheppard & Enoch Pratt Hospital, Box 6815, Towson, Md. 21204.

POPE, DR. HENRY L(OUIS), JR. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Ment. health prog. adminstr, 68-, Division of Mental Health, Dept. of Institutions, P.O. Box 768, Olympia, Wash, 98501.

POPENOE, DR. DAVID. Sociology, Urban Planning. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Sociology, Douglass College, Rutgers, The State University, Carpender Hall, New Brunswick, N.J. 08903. POPPINO, ROLLIE E(DWARD). Latin American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

POPRICK, DR. MARY ANN, b. Chicago, Ill, June 25, 39. EXPERIMENTAL PSYCHOLOGY. B.A, DePaul, 80, M.A, 64; Ph.D. (exp. psychol), Loyola, 82. Psychol, intern, Elgin State Hosp, Ill, 61-62, staff psychologist, 62; Ill. State Training Sch. for Girls, 62-63; Mt. Sinai Hosp, 63-64; bectr. PSYCHOL. Loyola, 64-67; asst. prof, LEWIS COL, 67-70, ASSOC, PPIOF, 76-HMN. DEPT, 68- AAAS; Psychol. Aan. Social psychology, particularly group risk taking behavior. Publ: Co-auth. Effects of source credibility on the relationship between authoritarianism and attitude change, J. Personality & Soc. Psychol, 9: 179-183. Address: Dept. of Psychology, Lewis College, Lockport, Ill. 60441.

PORTER, PROF. ALBERT L, b. Hanna, Alta, May 16, 20, U.S. citizen; m. 50, c. 3. BUSINESS MANAGEMENT. B.S. Michigan Tech, 42; M.B. A, Stanford, 48, Ph.D. (1988), 61. Agent, Equitable Life Assurance Soc. U.S. 48-80, asst. agency mgr, 50-53; asst. prof. BUS. MGT, SAN JOSE STATE COL., 55-58; assoc. prof. 58-69, PROF. 69- West. Mgt. Sci. Inst. res. grant, grad. sch. bus, California, Los Angeles, 61-62; vis. prof. Oregon, 66-67. U.S.N.R. 43-Lt. Comdr. Inst. Mgt. Sci. Validity studies correlating adult achievement in management with college and pre-college predictor information; pathological work-orientation. Publ. The business school transition; from folk-lore to steience, J. Higher Ed, 3/63, Validity of socioeconomic origin as a predictor of executive success, J. Appl. Psychol. 2/55 & Hopkins syndrome: the pathologically work-oriented manager, Bull. Opers. Res. Soc. Am, 68. Address: School of Business, San Jose State College, 125 S. Seventh St, San Jose, Calif. 95114.

PORTER, PROF. DOROTHY. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Box 23545, Texas Woman's University, Denton, Tex. 76204.

PORTER, DR. E(LIAS) H(ULL). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Systs. scientist, Technomics, Inc, Silver Spring, 69- Address: 4977 Battery Lane, Bethesda, Md. 20014.

PORTER, PROF. JOHN. Sociology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Prof. 69-, Dept. of Sociology, Carleton University, Ottawa, Ont. Can.

PORTER, DR. JUDITH R, b. Philadelphia, Pa, Mar. 26, 40; m. 60; c. 2. SOCIOLOGY. B. A, Cornell, 62, M. A, 63; Nat. Sci. Found. fel, Harvard, 63-66, Ph.D. (sociol), 67. Teaching asst. soc. rels, Harvard, 64-65; lectr. SOCIOL, BRYN MAWR COL, 66-67, ASST. PROF, 67- Sociol. Asn. Race relations; sociology of poverty; sociology of religion. Address: Dept. of Sociology, Bryn Mawr College, Bryn Mawr, Pa. 19010.

PORTER, DR. KENNETH DUANE, b. Bringhurst, Ind, Feb. 18, 34; div; c. 1. PSYCHOLOGY. B.S., Purdue, 56, M.S., 58, Ph.D. (psychol), 63. Psychologist, Ft. Benjamin Harrison, 61-62; mil. psychologist, U.S. Navy, 63-66; res. psychologist, ATHENS MENT. HEALTH CENTER, 66-68, DIR. PSYCHOL, 68-U.S.N.R, 62-66, Lt. (jg.) Psychological test validity; psychopathology of schizophrenia. Address: P.O. Box 657, Athens, Ohio 45701.

PORTER, DR. MYNA T(HEISEN). Biochemistry, Enzymology. See Suppl. VI to 11th ed. Phys. & Biol. Vols.

PORTER, PROF. RICHARD C, b. Hartford, Conn, Aug. 1, 31; m. 60; c. 2. ECONOMICS. B.A, Williams Col., 53; M.A., Yale, 54, Ph.D. (econ.), 57. Instrecton, Yale, 57-58, ast prof, 59-69, 62-64; vis. lectr, Bombay, 58-59; res. adv. Inst. Develop. Econ, Karachi, Pakistan, 60-62; assoc. prof. ECON, MICHICAN, 64-68, PROF, 69-A. ASSOC. DIR. CENTER RES. ECON. DEVELOP, 64-Consult, Agency Int. Develop, D.C., 64-67; econ. adv. Govt. Colombia, 67-68. Econ. Asn. Industrial and foreign trade policies of underdeveloped countries; monetary policy; economic theory. Publ. A growth model forecast of faculty size and salaries in U.S. higher education, Rev. Econ. & Statist, 5/65; The promotion of the banking habit and economic development, J. Develop. Studies, 7/66; Some implications of postwar primary product trends, J. Polit. Econ, 5-6/70. Address: Dept. of Economics, University of Michigan, 309 S. State, Ann Arbor, Mich. 48104.

PORTER, PROF. RICHARD LISTER, b. Omaha, Nebr., Feb. 22, 16. ECONOMICS. A.B., St. Louis, 39, M.A., 42, S.T.L., 48, Ph.D. (ccon), 52; California, Berkeley, 50-51. Instr., high sch, Mo. 42-44; econ, St. Louis, 51-54; asst prof., Rockhurst Col, 54-56; assoc. prof. econ. & chmin dept, Creighton, 56-61; PROF. ECON, Marquette, 61-67; OKLA, STUTE, 67-For faculty res. fel, Univ. Michigan, summer 50 Econ. 52; Dept. 100 Econ. 100 Eco

PORTNOY, DR. MAURICE. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 80 East End Ave, New York, N.Y. 10028.

POSER, DR. E(RNEST) G(EORGE). Psychology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychol, McGill, 69- Address: 4012 Marlowe Ave, Montreal 260, Que, Can.

POSNER, DR. JAMES ARTHUR, b. Columbus, Ohio, Sept. 14, 39; m. 61; c. 2. PSYCHOLOGY. B.A, Baylor, 61; M.S, Fla. State, 64, Ph.D.(psychol), 66. Fel. psychol. serv, Devereux Found, Pa., 66-67; ASSOC. PROP. PSYCHOL, CARSON-NEWMAN COL, 67. CHMN. ED. & PSYCHOL. DEPT, 70. Psychol. Asn. Chemistry of learning; social influence. Address: Dept. of Psychology, Carson-Newman College, Jefferson City, Tenn. 37760.

POST, DR. ALBERT. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Int. economist, 69-, Mellon National Bank & Trust Co, Mellon Square, Pittsburgh, Pa. 15222.

POST, PROF. C(HARLES) GORDON. Political Science. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, Vassar Col, 69-, Campbell vis. prof. govt, 69-, Wells College, Autora, N.Y. 13026.

POSVAR, CHANCELLOR WESLEY WENTZ, b. Topeka, Kans, Sept. 14, 25; m. 50; c. 3. POLITICAL SCIENCE. B.S, U.S. Mil. Acad, 46; Rhodes scholar, Oxford, 48-51, B.A, 51, M.A, 54; Littauer fel, Harvard, 62-64, M.P.A. & Ph.D. [polit. sci), 64; fel, Mass. Inst. Tech, 63-64; LLD, Carnegie-Mellon Univ, 68. Asst. prof. soc. sci, U.S. Mil. Acad, 51-54; mem, long-range objectives & progs. group, Directorate Plans, Riq. U.S. Air Force, 64-57; prof. polit. sci. & head dept. & chmm. soc. sci. div, U.S. Air Force Acad, 57-67; CHANCELLOR, PITTSBURGH, 67. Consult, various govt, agencies, 57-8 mem, cmn. acad. admin, Am. Coun. Ed. & adv. coun, East. Air Lines, 57-1; vis. cmt. dept. govt. Harvard & adv. cmt, Assoc. Univs, Inc., 68-U.S.A.F, 46-67, Col. Int. Studies Asn. [pres, 61-62]; Int. Strategic Studies; Coun. For. Rels. National security policy; arms control and disarrament; strategic planning; university administration; management of resources for higher education; planning, programming and budgeting systems for higher education. Publ: Ed. American Defense Policy, Johns Hopkins, 65; auth, National security policy; the realm of obscurity, Orbits, 65 & The political environment for military planning, U.S. Air Force Space Digest, 12/66. Address: 106 Cathedral of Learning, University of Pittsburgh, Pittsburgh, Pa. 15213.

POTTER, PROF. HAROLD HERBERT, b. Montreal, Que, Mar. 27, 14. SOCIOLOGY. B.A. Sir George Williams Col. 39; M.A. McGill, 49. Chicago, 52-54. Lectr. SOCIOL, Sir GEORGE WILLIAMS, 47-49, asst. prof. 49-54, assoc. prof. 54-63, PROF. 63-, chmn. dept. 61-66. Outside reader of grad. theses in soc. 61-66. Can. Army, 42-44, Sgt. Sociol. Asn. Can. Sociol. & Anthrop. Asn. Negro settlement in Canada; family background of Negro professionals in Canada. Publ. Co.-auth, Camp Laquemac: a bilingual adult education centre, Can. Asn. Adult Ed. 53; auth, Negro settlement in Canada, Race Reis, Inst. Eng. 61. Address: Dept. of Sociology & Anthropology, Sir George Williams University, 1435 Drummond St, Montreal 107, Que, Can.

POTTER, PROF. HELEN CATHERINE. Economics, Finance. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 68-, Dept. of Family Economics, Purdue University, Lafayette, Ind. 47907.

POTTER. PROF. ROBERT J(OHN), b. Gunnison, Colo, Nov. 15, 23; m. 47; c. 3. SOCIOLOGY. B.A. Colorado, 49, M., 45, H.P.D. (Sociol.), 65. Lectr. SOCIOL, Michigan, Flini, 58-65; res. assoc, Colorado, 65-67; assoc, prof. STATE UNIV. N.Y. COL. BROCKPORT, 67-68, PROF, 88-, CHMN. DEPT, 67-U.S.A. F., R. 42-32, Capt. Sociol. Asn. Social psychology; sociology of leisure; field survey research; small group interaction: participant observation. Publ.: Co-auth, An analytic unit for the study of interaction, Human Rela, 62; auth, Portrait of a working class college, Dissent, 64; Sociable conversation among friends, familiars and strangers, Rocky Mt. Soc. Sci. J. 67. Address: Dept. of Sociology & Anthropology, State University of New York College at Brockport, Brockport, N.Y. 14420.

POTTHOFF, DR. RICHARD F(REDERICK). Mathematical Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 803 Winview Dr, Greensboro, N.C. 27410.

POTVIN, PROF. RAYMOND H(ERVE). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmm. dept. sociol, 69-, Catholic University, Box 1264, Washington, D.C. 20017.

POUNDS, DR. BILLY DEAN, b. Belmont, Miss, Jan. 23, 30; m. 52; c. 2. POLITICAL SCIENCE, LAW. B.S. Miss. State, 52, M. Ed, 53, Ed. D. (polit. sci.), 68. Asst. soc. studies, Miss. State, 51.52; teacher. Thrasher High Sch. 52; Wheeler High Sch. 53; instr. SOC. STUDIES, Northeast Miss. Jr. Col., 53-57 & 59, ASSOC. PROF, MISS. STATE COL. WOMEN, 59. U.S.A. F. 57-59, Capt. Polit. Sci. Asn. Two party system in Mississippi; growth and development of the Republican party in Mississippi. Publ: A determination and appraisal of content of introduction to political science courses in selected four year colleges and universities in the United States, Miss. State Univ, 68. Address: 1720 Forest Hill Dr, Columbus, Miss. 39701.

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POWERS, DR. EDWARD A, b. Clarksburgh, W.Va, Mar. 10, 41; m. 61; c. 2. SOCIOLOGY. B.A, Alma Col., 62; M.A. Indiana, 65; Ph. D. (sociol.), Ohio State, 68. Instr. SOCIOL, IOWA STATE, 67-68, ASST. PROF. 68-SOCIOL Asn; Nat. Coun. Family Rels. Dating, mate selection and early marriage; aging. Address: 310 Tenth St, Ames, lowa 50010.

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POWERS, DR. RICHARD BRIAN, b. Los Angeles, Calif, Apr. 12, 32; m. 62; c. 1. PSYCHOLOGY. B.A, Calif. State Col. Los Angeles, 59, M.A. 62; Nat. Inst. Ment. Health fel, Arizona State, 63-65, Ph.D., Dsyschol), 67. ASST. PROF. PSYCHOL, East. Wash. State Col. 66-69; UTAH STATE, 69-US.A.F, 52-56. AAAS; Psychol. Ass, animal Behav. Soc. Experimental analysis of social behavior, especially cooperation and competition. Publ: Co-auth, Attention span: an operant conditioning analysis, Except. Children, 61, auth, Clock-delivered reinforcers in conjunctive and interlocking schedules, J. Exp. Anal. of Behav, 68; Errorless training of a visual discrimination in pre-school children, Psychol. Record, 70. Address: Dept. of Psychology, Utah State University, Logan, Utah 64521.

POWERS, PROF. RICHARD DALE, b. Akron, Ohio, Dec. 29, 27; m; c. 4.

MASS COMMUNICATIONS. B.S, Ohio State, 50; M.S, Wisconsin, 52, Ph.D. (mass commun), 57. Asst. prof. AGR. JOURNALISM, WISCONSIN, MADI-SON, 52-57, assoc. prof, 57-62, PROF, 62- Ed, Wis. Exp. Sta, 50-62; vis. prof, postgrad. sch, Nat. Sch. Agr, Mex, 69- U.S.A.A.F, 46-47. Asn. Ed. in Journalism. Readability and analysis of writing style; comprehension of non-verbal communications. Publ: Co-auth, Agricultural newswriting, Brown, 59-62; auth, Statistical methods for communical research, Univ. Wis. Dept. Agr. Journalism, 66; Comprehension of graphs, J. Coop. Ext, 68. Address: Dept. of Agricultural Journalism, University of Wisconsin, Madison, Wis. 53706.

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POZOS, DR. ROBERT STEVEN. Neurophysiology, Biophysics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

PRATHER, DR. ELIZABETH MOODIE, b. West Point, Nebr, Mar. 14, 30; m. 59; c. 2. SPEECH PATHOLOGY, AUDIOLOGY. B.S. Nebraska, 52; M.A. Iowa, 57, Ph.D. (speech path, audiol), 60. Speech therapist, pub. schs., Hastings, Nebr, 52-55; teaching asst. speech, Audiol, Iowa, 58-57; instr. speech, Nebraska, 57-58; res. assoc. speech path. & audiol, Iowa, 58-61; ASSOC. PROF. SPEECH, WASHINGTON (SEATTLE), 65— Interlingua ed, J. Speech & Hearing Res, 61-63. Speech & Hearing Asn, Inst. Gen. Semantics. Articulation defectiveness; severity of stuttering ratings; measures of language development. Publ: Scaling defectiveness of articulation by direct magnitude estimation, 12/60 & co-auth, Procedures for scaling severity of stuttering, 6/63, J. Speech & Hearing Res; auth, An approach to clinical supervision, Am. Speech & Hearing Res; auth, An approach to clinical supervision, Am. Speech & Hearing Asn, 12/67. Address: Dept. of Speech, University of Washington, Seattle Wash. 98105.

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PROF. PSYCHOL, Southeast. La. Col, 66-66; FLORIDA ATLANTIC, 68-Vis. scientist, Delta Regional Primate Res. Center, 66-68. U.S.A, 57-59. AAAS. Psychopharmacological and experiential variables. Address: Dept. of Psychology, Florida Atlantic University, Boca Raton, Fla. 33432.

PREECE, RICHARD MATHESON. Political Science, History. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: U.S. Army Combat Developments Command, Institute of Land Combat, The Hoffman Bldg, Eisenhower Ave, Alexandria, Va. 22314.

PRENDERGAST, PROF. GEORGE A, b. Reading, Pa, Aug. 21, 33; m. 60; c. 3. ECONOMICS, ECONOMIC HISTORY. B.S, St. Joseph's Col.(Pa), 55; M.A, Pennsylvania, 60, Econ. Ed. Found, el., 62; Acad. Food Mtt. fel, 69. Instr. acct, ST. JOSEPH'S COL.(PA), 56-61, ASST. PROF. ECON, 62- Lectr, Rosemont Col, 58-63. Econ. Asn. Econ. Hist. Asn. Comparative growth and development of twentieth century United States food distribution; regulation of public utilities. Publ: Regulatory implications of the changing economic environment, 11/67, The FCC proceedings—issues and implications, 9/68 & More on the FCC-AT&T proceedings, 1/70, Pub. Utilities Fortinghtly. Address: Dept. of Economics, St. Joseph's College, City Ave. at 54th St, Philadelphia, Pa. 19131.

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PRESTON, DR. JAMES DENE, b. Muríreesboro, Tenn, Dec, 7, 40; m. 65. SOCIOLOGY. B.S. Middle Tenn. State, 62; Nat. Defense Ed. Act fel, Miss. State, 62: 65, M.A, 64; Ph.D.(sociol), 67. Asst. sociologist, Miss. State, 65-66; asst. prof. SOCIOL, TEXAS A&M, 66-70, ASSOC. PROF. 70- Sociol. Asn; Rural Sociol. Soc: Soc. Study Social Probs. Community sociology; psychiatric sociology. Publ: On norm qualities and deviant drinking behavior, Soc. Probs, spring 69; Religiosity and adolescent drinking behavior, Sociol. Quart, summer 69; A comparative methodology for identifying community leaders, Rural Sociol. 12/69. Address: Dept. of Sociology, Texas A&M University, College Station, Tex. 77843.

PRESTON, DR. MALCOLM S(TURGEON). Psycholinguistics, Medical Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

PRESTWOOD, PROF. CHARLES M, JR, b. Brewton, Ala, Apr. 27, 31; m. 51; c. 4. SOCIOLOGY, RELIGION. A.B. Birmingham-South. Col, 53; S.T.B. & Bishop Baker award, Boston, 56; Ph.D. (soc. theory), 60. Thesis dir, George Washington, 53-55; asst. prof. philos, Birmingham-South. Col, 58-59; PROF. SOCIOL. & PHILLOS, MISS. STATE COL. WOMEN, 68- Consult, Off. Econ. Opportunity, 65- Mem, Ala. Adv. Cmt. to U.S. Cmn. Civil Rights, 59-65; Gov. Cmt. Penal Reform, Ala, 60-63; alumni adv. cmt, sch. theol, Boston Univ, 65-; bd. dirs, Home Counseling Serv, Inc, 68- Changing sociological ideas of Deep South Clergy. Publ: Dilemmas of Deep South Clergy, Christianity Today, 61; Bureaucracy and the Gospel, 63 & The new breed of clery, 68, Christian Advocate. Address: Dept. of Sociology, P.O. Box 160, Mississippi State College for Women, Columbus, Miss. 39701.

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PRITCHETT, DR. SAMUEL TRAVIS, b. Emporia, Va, Dec. 18, 38; m. 60; c. l. BUSINESS ADMINISTRATION. B.S. Va. Polytech. Inst, 60, M.S., 67; D.B.A. Indiana, 69. Claim rep, Equitable Lift Assurance Soc. of U.S., 60-64, asst. div. claim mgr., 64-65; asst. bus. admin, Va. Polytech. Inst, 65; assoc. ins, Indiana, 66-69; ASST. PROF. BUS. ADMIN, RICHMOND, 69-Risk & Ins. Asn. Financial and sociological aspects of life insurance organizations. Publ: Co-auth, Cumulative index to the Journal of Risk & Insurance, 1932-1967, 69 & auth, The problem drinker and group weekly indemnity insurance claims, 12/70, J. Risk & Ins. Address: 210 Roslyn Hills Dr., Richmond, Va. 23229.

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PROCTOR, DR. ROBERT A, JR, b. Gadsden, Ala, July 22, 20; m. 45; c. 4. pSYCHOLOGY. A, B. Samford, 48; M.S., Oklahoma, 49; Ed.D. (psychol), Temple, 60. Asst. prof. psychol, Howard Col, 49-53; East. Baptist Col, 53-55; ASSOC. PROF. ED. PSYCHOL, SOUTH. BAPTIST THEOL. SEM, 60- Exam, Ala. Boys Indust. Sch., 51-53; Ell Lilley fel, Illinois, 52-63; fel, Peabody Col, 69-70. Curriculum consult, exten. dept, South. Baptist Theol. Sem, 64-710. U.S.A.F, 42-46. Capt. Psychol. Asn. Human learning; concept development. Publ; Co-auth, Vital issues in religious education, 65 & auth, Too old to learn???, 68, Broadman. Address: Dept. of Psychology, Southern Baptist Seminary, 2825 Lexington Rd, Louisville, Ky. 40206.

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PROKOPOV, DR. GEORGINE OGDEN, b. Middletown, N.Y. Nov. 3, 25; m. 68. INTERNATIONAL RELATIONS. B.A, Wisconsin, 47; M.I.A, Columbia, 49; Ph.D. (Int. rels), London Sch. Ecor, 58. For. lang, specialist, Cent. Intel. Agency, D.C, 49-50; res. writer, U.S. Int. Info. Prog, Int. Broadcasting Div, U.S. Dept. State, 51-53; instr. polit. sci. & bist, Dutchess Community Col. 59; res. asst. world pop. studies, Pop. Ref. Bur, Inc, D.C, 60-65; res. analyst int. polit-mil. affairs, Georgetown res. proj, div. Atlantic Res. Corp. D.C, 65-67; consult, opers. anal. off, Off. V.Chief of Staff, Hq. U.S. Air Force, 67; asst. prof. POLIT. SCI. & HIST, UPPER IOWA COL, 67-70, PROF, 70- Polit. Sci. Asn. United States foreign policy; Soviet foreign policy, especially the iron-curtain policy; Latin America; world population studies. Publ: Co-auth, Population—tvial rates, In: Britannica World Atlas International, 66. Address: Dept. of Political Science, Upper Iowa College, Fayette, Iowa 52142.

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PROSE, SISTER MARY REDEMPTA, O.P. English, Psychology. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

PROSI, DR. GERHARD, b. Ludwigsburg, Germany, Oct. 27, 35; m. 60; c. 2. POLITICAL ECONOMY. Dipl, Noremberg, 62: Dr. rer. pol. (econ.), Marburg, 65, Privatozent, 69 a.sst. ECON, Marburg, 62-67, lectr, 65-67; Ford Found vis. fel, Princeton, 67-68, Reim Found. fel. & vis. lectr, 68-69; ASSOC. PROF. SOUTHERN METHODIST, 69- Am. Econ. Asn. German Soc. Econ. & Soc. Sci. Industrial organization; economics of technical change; patents and copyrights; theory of economic policy; economics of pollution. Publ: Technischer fortschritt als mikro-oekonomisches problem. Paul Haupt, Berne, 66; Der einfluss des autorenhonorars auf den buchpreis, Zeitschrift National Oekonomie, 70; Patentschutz bremst den Fortschritt Zwang-aitzenzen fuer Entwicklungslaender, Publik, 70. Address: Dept. of Economics, Southern Methodist University, Dallas, Tex. 75222.

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PROVIDENCIA (TOLAN), SISTER, F.C.S.P. b. Anaconda, Mont, Feb. 24, 09.
SOCIOLOGY. B.A. Col. Great Falls, 45; M.A. Cattolic Univ, 52; Gonzaga, summers, 47-50; California, Berkeley, 66. Instructions acciol. & soc. work, Col. GREAT FALLS, 49-50, PROF. SOCIOL, 52. Lectr. & training workshop participant, Missouri, Kanasa City, 86-68. Consult, VISTA, committed and Reservations, 65-68; community action prog. Off. Econ. Opposition and Reservations, 65-68; community action prog. Off. Econ. Opposition and Society aces, 66-68. Mem. Creat Falls Mayor's Crut. Indian Pop. 62-64, secy. to cmt. housing & relocation, 67-68; workshop staff alcoholism, Univ. Utah, 66-67; mem. State Task Force on Health Probs. of Poor, 70; del. at large, Bd. Mont. Acad. Sci., 70-72. Sociol. Asn; Acad. Polit. & Soc. Sci. Leadership among reservation Indians; comparative studies of on and off-reservational aspirations in Indian enclaves off the reservations. Publ. Co-auth, City and reservation Indians, Soc. Order; auth, Pivot persons in the poverty areas, Proc. Mont. Acad. Sci, 69. Address: College of Great Falls, Great Falls, Mont. 59401.

PRUNTY, PROF. MERLE CHARLES, JR. Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Alumni found. distinguished prof, 69-, Dept. of Geography, University of Georgia, Athens, Ga. 30602.

PRYOR, DR. GORDON T(AYLOR), b. Los Angeles, Calif, Aug. 28, 33; m. 60; c. 3. PHYSIOLOGICAL PSYCHOLOGY. A B, Long Beach State Col. 53; U.S. Pub. Health Serv. fel, California, Berkeley, 62-64, Ph.D. [Dsychol), 64. Nat. Sci. Found. fel, statist, California, Berkeley, 64; exp. psychologist, STAN-FORD RES. INST, 64-69, SR. PSYCHOLOGIST, 69- U.S.A. F. 52-56, S/Sgt. AAAS. Brain biochemistry and behavior; psychopharmacology; applied statistics; olfaction; psychogenetics. Publ: Co-auth, Duration of chronic electroshock treatment in relation to brain weight, brain chemistry and behav-

ior, J. Comp. Physiol. Psychol, 67; auth, Neurochemical differences between three pairs of rat strains differing in maze performance, Comp. Blochem. & Physiol, 68 & Postnatal development of ChE, AchE, AdD and MAO in C57BL/6 and DBA/2 mice, Life Sci, 68. Address: Stanford Research Institute, 338 Revenswood, Menio Park, Calif. 94025.

PRYTULA, DR. ROBERT E(DWARD), b. Providence, R.I., Dec. 12, 38; m. 66; c. 1. EXPERIMENTAL & LEARNING PSYCHOLOGY. B.A., Murray State Col, 64; Nat. Inst. Ment. Health fel, Houston, 65-69, M.A., 66, Ph.D.(learning psychol), 69. ASST. PROF. PSYCHOL, MIDDLE TENN. STATE, 69- Faculty res. grant, 69: consult, Tenn. State Dept. Corrections, 69- U.S.A.F., 56. Psychol. Asn. Animal and human learning with an interest in general psychology, behavioral modification and physiology. Publ: Co-auth, Absolute surcrose incentive reduction: frustration or demotivation, Psychonomic Sci, 15: 249-250; Consequences of absolute and relative quantitative sucrose incentive reductions in the albino rat, 6/70 & Sucrose pellet incentive shifts in the double alley, 8/70, Psychol. Reports. Address: Dept. of Psychology, Middle Tennessee State University, Murfreesboro, Tenn. 37130.

PUCKETT, DR. ROBERT HUGH. Political science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 68-, Dept of Political Science, Indiana State University, Terre Haute, Ind. 47809.

PUGLIESE, DR. DONATO J(OSEPH). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. pof., Bur. Pub. Admin, Tennessee, 68-; assoc. with Memphis State Univ-Univ. Tennessee grad. prog. pub. admin. Address: Bureau of Public Administration, University of Tennessee, 810 Broadway, Nashville, Tenn. 37203.

PUMROY, DR. DONALD K(EITH). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, College of Education, Dept. of Counseling & Personnel Service, University of Maryland, College Park, Md. 20742.

PURCELL, PROF. JOSEPH CARROLL, b. Cleveland, Va, Feb. 5, 21; m. 55. AGRICULTURAL ECONOMICS, ECONOMICS. B.S., Va. Polytech, 48, M.S. 51; Ph. D. (agr. econ), low State, 56. Agr. economist, U.S. Dept. Agr. 50-51; asst. prof. ECON, GEORGIA, 53-58, assoc. prof. 58-60, PROF, 80-51; asst. prof. ECON, GEORGIA, 53-58, assoc. prof. 58-60, PROF, 80-52 ars Roebuck Found, res. award, 61; mem, Nat. Res. Task Force, D.C., 64; Distinguished Faculty res. award, 69; Econ-in-Action summer fel, Case West. Reserv, 59. Consult, Ga. Milk Cmn, 55-68; mem, econ. panel, Milk Indust. Found, 68. U.S.A, 44-45. Agr. Econ. Asn. Economic research in agricultural production, marketing, demand and price analysis. Publ.: Analysis of consumer expenditures, 63 & Trends and relations in the livestockmeat sector, 68, Univ. Georgia; Quantity-income elasticities for food, J. Agr. Econ, 67. Address: 106 Summit Dr, Griffin, Ga. 30223.

PURCELL, DR. WAYNE DOUGLAS, b. Spencer, Va. Dec. 13, 38; m. 60; c. 1. AGRICULTURAL ECONOMICS. B.S, Va. Polytech, 62; M.S, 64; Ph.D. (agr. econ), Mich. State, 67. Asst. prof. AGR. ECON, OKLA. STATE, 66-69, ASSOC. PROF, 69- Agr. Econ. Asn. Systems analysis of marketing activities in the food and fiber industries with emphasis on the effectiveness of livestock and meat marketing systems as media of consumer-producer communication. Publ. Effective communication in marketing: problems, alternatives, implications, Proc. Asn. South. Agr. Workers, 2/68; co-auth, Variable procedure in carcass grade and weight of slaughter beef: implications to Oklahoma cattle feeders, Okla. Agr. Exp. Sta. 2011, 8/69; auth, Marketing, price and the theory of communication, Am. J. Agr. Econ, 12-/69. Address: Dept. of Agricultural Economics, Oklahoma State University, Stillwater, Okla. 74074.

PURKEY, DR. WILLIAM WATSON, b. Shenandoah, Va, Aug. 22, 29; m. 51; c. 2. EDUCATIONAL PSYCHOLOGY. B.S, Virginia, 57, M.Ed, 58, Ed.D. (ed. psychol), 64. Asst, prof. ED. PSYCHOL, FLORDIA, 64-67, ASSOC. PROF, 67- U.S.A.F, 51-55, T./Sgt. Psychol. Asn. Personality theory, particularly perception and self concept theory. Publ. Self concept and school achievement, Prentice-Hall, 70. Address: 1503 N.W. 17th St, Gainesville, Fla. 32601.

PURNELL, DR. RICHARD F, b. New York, N.Y, Apr. 19, 38; m. 61; c. 3. EDUCATIONAL PSYCHOLOGY. B.A, City Col. New York, 63; Nat. Defense Ed. Act fel, Texas, 64-66, Ph.D.(ed. psychol), 66. Asst. prof. & res. assoc. ed, Harvard, 66-69; ASSOC. PROF. PSYCHOL. & COORDINATOR, OKLA STATE, 69-U.S.A.F., 56-60. AASF, Psychol. Asr, Ed. Res. Aan. Adolescent personality development; behavior modification in classroom; computer programming in behavioral sciences. Address; Dept. of Educational Psychology, Oklahoma State University, Stillwater, Okla. 74074.

PUROHIT, DR. A(RJUN) P(RASAD), b. Sambalpur, India, Dec. 23, 34; m. 58; c. 3. EXPERIMENTAL & CLINICAL PSYCHOLOGY. B. A, Utkal, India, 55; M. A, Patha, 57, Australian Commonwealth fel, Western Australia, 62-64, Ph. D. (psychol), 65. Lectr. psychol, Ravenshaw Col, India, 58-62; Nat. Res. Coun. Can. fel, Queen's (Onl), 65-67; PSYCHLOCOST, KINGSTON PSYCHLAT. HOSP, 67-Asst. prof, part-time, Queen's (Onl), 67-Asn. Adv. Behav. Ther; Can. Psychol. Asn. Personality theory; learning; behavior modification; semantic satiation. Publ: Levels of introversion and competitional paired-associate learning, J. Personality, 3/66, Personality variables, sex-difference, G.S.R. responsiveness and G.S.R. conditioning, J. Exp. Res. in Personality, 5/66 & Massed practice in pursuit rotor task and two factor theory of inhibition, J. Gen. Psychol, 2/68. Address: Kingston Psychiatric Hospital, Kingston, Ont, Can.

PURSWELL, DR. JERRY L, b. Cleveland, Tex, Dec. 21, 35; m. 59; c. 3. IN-DUSTRIAL ENGINEERING. B.S. Lamar State Col, 59; M.S. Alabama, 61; Ph.D. (Indust. eng), Tex. Tech Univ, 67. Indust. eng., Procter & Gamble Colhio, 61-62; staff indust. engr, Collins Radio Co, Tex, 62-64, mgr. indust. eng, 64-65; ASST. PROF. INDUST. ENG, Texas, Arlington, 65; Arkansas, Fayetteville, 67-68; Okl.AHOMA, 68- Human Factors Soc, Inst. Indust. Eng; Soc. Mech. Eng. Human performance in man-machine systems. Address: School of Industrial Engineering, Room 124, University of Oklahoma, 202 W. Boyd, Norman, Okla. 73069.

PUTH, DR. ROBERT C, b. Appleton, Wis, Apr. 27, 36; m. 60; c. 2. ECONOMICS. B. A, Carleton Col, 56; Standard Oil fel, Northwestern, 61, Lincoln Ed. Found. fel, 64, MA, 65, Ph. D. (econ), 67. ASST. PROF. ECON, Earlham Col, 65-67; NEW HAMPSHIRE, 67- U.S.A, 58-59. Econ. Ass; Econ. Hist. Asn. History of Negro life insurance companies. Publ: The origins, development, and current situation of the Negro life insurance industry, Papers, 15th Annual Meeting of Bus. Hist. Conf. 68; Supreme life: the history of a Negro life insurance company, Bus. Hist. Rev, 69. Address: Dept. of Economics, Whitemore School Bldg, University of New Hampshire, Durham, N.H. 03824.

PYUN, DR. CHONG SOO. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Economist, 68-, Federal Reserve Bank of Atlanta, Atlanta, Ga. 30303.

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QUADE, DEAN QUENTON L, b. Ft. Dodge, Iowa, Jan. 28, 33; m. 54; c. 5. POLITICAL SCIENCE. B.S. Creighton, 57; M.S. Notre Dame, 58, Ph.D. (polit), 65. Instr. polit. sci, St. Louis, 59-61; MARQUETTE, 61-63, ast, prof, 63-66, aspoc. prof, 66-68, PROF. POLIT. SCI & DEAN GRAD. SCH, 68-U.S.A.F., 50-53, Sgt. Polit. Sci. Asn. Comparative political institutions; political ethics. Publi Chap, In: Conflict of loyalties, Pegasus, 68; co-auth, American politics: effective and responsible?, Van Nostrand, 69; auth, U.S. and wars of national liberation, Coun. Relig. & Int. Affairs, 66. Address: Graduate School, Marquette University, 1210 W. Michigan, Milwaukee, Wis. 53233.

QUALLS, R. L. Finance. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position & address: V.pres, 69-, Bank of Mississippi, 201 Main St, Tupelo, Miss. 38801.

QUANCE, DR. CALVIN L, b. Fairfax, Okla, May 24, 35; m. 57; c. 4. AGRI-CULTURAL ECONOMICS. B.S. Okla. State, 58, M.S., 62; Ph.D.(agr. econ), Mich. State, 66. AGR. ECONOMIST, ECON. RES. SERV, U.S. DEPT. AGR. & OKLA. STATE UNIV, 66- Agr. Econ. Asn. Aggregate production adjustment in United States agriculture. Publ: Co-auth, Capital and management: potential supplies, present status and optimal allocation in North American agriculture, N.Am. Common Mkl, Jowa State Univ, 10/87; auth, Elasticities of production and resource earnings, J. Farm Econ, 12/67; co-auth, Positivistic measures of aggregate supply elasticities: some new approaches, Am. J. Agr. Econ, 5/69. Address: Dept. of Agricultural Economics, Oklahoma State University, Stillwater, Okla. 74074.

QUANSTROM, DR. WALTER ROY. Zoology, Animal Behavior. See Suppl. V to 11th ed, Phys. & Biol. Vols.

QUATMAN, DR. GERALD L(OUIS), b. Dayton, Ohio, May 30, 35; m. 66; c. 1. PSYCHOLOGY. B.A, Dayton, 57; M.A, Louisville, 60; Ph.D. (psychol), Purdue, 63. From asst. prof. to ASSOC. PROF. PSYCHOL, XAVER (OHIO), 62- U.S.A, 58-60, 1st Lt. Psychol. Asn. Personnel, consumer and industrial psychology; psychological statistics; surveying and sampling techniques; advertising effectiveness; employment of disadvantaged. Publ: Costs of library services, Purdue Libr, 62, Measures of advertising effectiveness; Purdue Univ, 63; co-auth, Ohio agency's new nose-count, Sponsor, 12/63. Address: 6156 Bayberry Dr. Cincinnait, Ohio 6324.

QUAY, PROF. HERBERT C. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chmn, 68-, Division of Educational Psychology, Temple University, Philadelphia, Pa. 19122.

QUEAL, DR. RALPH W(ILLIAM), JR. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Develop. prog. mgr, aerospace group, Boeing Co, 69- Address: 7844 Southeast 72nd St, Mercer Island, Wash. 98040.

QUEEN, PROF. STUART A(LFRED). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 2243 Semeria Ave, Belmont, Calif.

QUERY, DR. JOY M(ARVES) N(EALE). Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. sociol. & chmn. dept. anthrop. & sociol, N.Dak. State, 69- Address: 1202 Oak St. N, Fargo, N.Dak. State, 69- Address: 1202 Oak St. N, Fargo, N.Dak.

QUEST, DR. LINDA GERBER. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. prof, polit. sci, Pace Col, 69- Address: 169 Ninth St, Brooklyn, NY. 11215.

QUICK, DR. GEORGE S, b. Marion, Ohio, Sept. 13, 15; m. 40; c. 5. ECONOM-ICS. B.A, Michigan, 38, M.A, 39, Ph.D. (econ), 54. Gen. mgr. lumber mill, Breves Indust, Brazil, 67-68; ASSOC. PROF. ECON. & CHMN. DEPT, SLIP-PERY ROCK STATE COL., 68. U.S.A, 42-67, Col. Econ. Asn. Economic development in Brazil; labor economics. Address: Dept. of Economics, Slippery Rock State College, Slippery Rock, Pa. 16057.

QUIGLEY, PROF. CARROLL. History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

QUILLIAN, DR. M. ROSS, b. Los Angeles, Calif, July 6, 31; m. 67; c. 2. PSY CHOLOGY, SOCIOLOGY. M.A., Chicago, 60; Ph.D.(psychol), Campegie-Mellon Univ, 66. SR. SCIENTIST, BOLT, BERANEK & NEWMAN, INC, 65-Publ: The teachable language comprehender: a simulation program and theory of language, Commun. Asn. Comput. Mach, 69; co-auth, Retrieval time from semantic memory, J. Verbal Learning & Verbal Behay, 8: 240-247 & Capturing concepts in a semantic net, Associative Info. Processing, 59. Address: Bolt, Beranek & Newman, Inc, 50 Moulton St, Cambridge, Marca (1318).

QUINLAN, DR. CLAIRE A(GNES). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: V.pres. student affairs, dean div. soc. sci. & chmn. dept. psychol, 69-, Jamestown College, Jamestown, N.Dak. 58401.

QUINLAN, DR. DONALD MICHAEL, b. Milwaukee, Wis, Jan. 28, 42; m. 67; c. 1. PSYCHOLOGY. B.A, Fordham, 64; U.S. Pub. Health Serv. trainee, Yale, 64-67, Sterling fel, 67, Ph.D. (psychol), 68. Fel, dept, psychait, YALE, 68-69, ASST. PROF. PSYCHOL, 69-Psychol. Asn. Clinical psychology; personality and perception. Publ: Co-auth, Psychological effects of rapid shifts of temporal referents, Studium Generale, 6/70. Address: Dept. of Psychology, Yale University, 332 Cedar St, New Haven, Conn. 06510.

QUINN, GARRY L, b. Boston, Mass, Aug. 27, 35; div; c. 3. POLITICAL SCIENCE. S.B, Mass, Inst. Tech, 56 & 57; Stanford, 65-66. Jr. mgt. intern prod, U.S. Atomic Energy Cmn, 57-58, safeguards policy analyst, 59-62, reactor physicist, Hanford Opers. Off, 58-59; staff asst, Off. Asst. Secy. Def, 62-65; prog. mgr. soc. & behav. sci. & systs, OVERSEAS DEFENSE RES. PROJ, ADV. RES. PROJS. ACENCY, 66-69, PROG, MGR. POP. RESOURCES, RES. & DEVELOP. CENTER, THAILAND, 69- Fel, Nat. Inst. Pub. Affairs, 66- Asn. Asian Studies. Conflict resolution; program impact evaluation; psychological warfare; revolution; political development; strategy; internatiorial relations; verification. Publ: Co-auth, Technical problems of arms control, Inst. Int. Order, 60. Address: Office of Secretary of Defense, Advanced Research Projects Agency, Research & Development Center, APO San Francisco 96346.

QUINN, PROF. JAMES A(LFRED). Sociology. See 11th ed, Soc. & Behav. Vols, deceased 69.

QUINNEY, DR. DEAN N. Forestry, Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. dir, 69-, Southeastern Forest Experiment Station, U.S. Forest Service, P.O. Box 2570, Asheville, N.C. 2862.

QUINT, JULES V(ICTOR). Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, Metrop. Life Ins. Co, 69; consult. bur. community environ. mgt, U.S. Dept. Health, Ed. & Welfare, 69-; mem. adv. panel, Nat. Center Health Statist, 68- Address: 7 Lark Lane, Norwalk, Conn. 6851.

QUINTON, DR. JOHN D(AMON). Industrial Psychology, Counseling. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Pres, John D. Quinton & Assocs, 68- Address: 2134 Cartwright Rd, Missouri City, Tex. 77459.

QUIRK, PROF JAMES P, b. St. Paul, Minn, Nov. 27, 26; m. 48; c. 6. ECO-NOMICS. B.B.A, Minnesota, 48, M.A. 49, Ph.D. (econ), 59. Asst. prof. ECON, Purchue, 60-63, assoc. prof., 63-66; PROF. KANSAS, 66- Ford Found. faculty fel, 63-64; Nat. Sci. Found. fels. correspondence principle & qual. stability, 66-69. U.S.N, 44-46. Economet. Soc; Econ. Asn. Qualitative economics; comparative statics; welfare economics. Publ: Co-auth, introduction to general equilibrium theory and welfare economics, McGraw, 68 & Papers in quantitative economics, Univ. Kansas, 69. Address: Dept. of Economics, University of Kansas, Lawrence, Kans. 66044.

QUREISHI, A. SALAM. Statistics, Operations Research. See Suppl. V to 11th ed. Phys. & Biol. Vols.

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RABAGO, PROF. ALBERTO. Classical Languages, Philosophy. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.

RABE, DR. AUSMA. Physiological Psychology, Neuropsychology. See Suppl. V to 11th ed, Phys. & Biol. Vols.

RABIDEAU, DR. GERALD FRANCIS. Psychology, Human Factors. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Sr. mem. tech. staff, 69-, Bunker-Ramo Corp, Canoga Park, Calif. 91304.

RABIN, DR. MORTON HERBERT, b. Brooklyn, N.Y., Jan. 29, 26; m. 54; c. 3. PSYCHOLOGY. B.A, N.Y. Univ, 48; M.A. Columbia, 51; Nat. Insts. Ment. Health fel, Fla. State, 61-63, Ph.D. (psychol), 68. Instr. PSYCHOL, SOUTH-ERN MISSISSIPPI, 58-59, asst. prof, 59-68, ASSOC. PROF, 69- U.S.A, 44-46, Sgt. Psychol. Asn. School and developmental psychology; behavior modification; psycho educational assessment. Address: Dept. of Psychology, University of Southern Mississippi, Hattiesburg, Miss. 39401.

RABINOWITCH, DR. VICTOR. Zoology, International Relations. See 12th ed, Phys. & Biol. Vols.

RABUSHKA, DR. ALVIN, b. St. Louis, Mo, May 15, 40; m. 63; c. 1. POLITI-CAL SCIENCE. B.A. Washington (St. Louis), 62, M.A., 66, Ph.D.(polit. sci), 68; Hong Kong, 63. ASST. PROF. POLIT. SCI, ROCHESTER, 68-Polit. Sci. Asn, Asn. Asian Studies. Malaysian politics; comparative ethnic politics.

- Publ: Integration in a multi-racial institution, Race, 7/69, A note on overseas Chinese political participation in urban Malaya, Am. Polit. Sci. Rev, 3/70 & The manipulation of ethnic politics in Malaya, Polity, spring 70. Address: Dept. of Political Science, University of Rochester, Rochester, N.Y. 14627.
- RACHLIN, CAROL K(ING). Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Artist-in writing, Cent. State College, 68-Address: Southwest Research Association, 2908 N. Harvey Pkwy, Oklahoma City, Okla. 73103.
- RACHLIN, DR. HOWARD C(ARL). Experimental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Psychology, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.
- RACKAUSKAS, DR. CONSTANTINE R. Government. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Political Science, Fordham University, Rose Hill Campus, Bronx, N.Y. 10458.
- RACUSEN, DR. FRANCES R(HEA). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Acting chief psychologist, Vet. Admin. West Side Hosp, Chicago, 69-; assoc. prof. psychol. dept. psychiat, med. sch, Illinois. Address: 4180 Martine Dr, Chicago, III. 60613.
- RADELL, DR. DAVID, b. Philadelphia, Pa, Mar. 23, 38. GEOGRAPHY, UR-BAN STUDIES. B.A. Calif. State Col. Los Angeles, 59, M.A. 61; Ph.D. (geog), California, Berkeley, 69. ASST. PROF. GEOG, CALIF. STATE COL. LOS ANGELES, 66- AAAS; Asn. Am. Geog. Urban geography; geography of Nicaragua. Address: Dept. of Geography, California State College at Los Angeles, 5151 State College Pr. Los Angeles, Calif. 90032.
- RADFORD. DR. KATHERINE C(HAMBERLIN), b. Louisville, Ky, Feb. 17, 11; m. 29; c. 2. PSYCHOLOGY, EDUCATION. B.A. Lynchburg Col. 53; M.A. Duke, 60; B.S. Richmond Prinl. Inst, 61; Nat. Insts. Health fel, Fla. State, 54; Nat. Proposition of the Color of the
- RADLOW, DR. ROBERT. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 68-, Dept. of Psychology, San Diego State College, San Diego, Calif. 92115.
- RADTKE, DR. WILLIAM L(OUIS), b. Rochester, N.Y, Sept. 20, 25; m. 50. PSYCHOLOGY. A.B. California, 49; M.A, Florida, 51; cert. clin. psychol, State Univ. N.Y, 52; Ph.D. (psychol), Duquesne, 68. Psychologist & guid. dir, Anderson Sch, 52-55; counselor, guid. center, Miami, 55-58; instr. math. & behav. sci, Manatee Jr. Col, 59-61; psychol, Santa Rosa Jr. Col, 61-64; West. Psychiat. Inst. & Clin, Pittsburgh, 66-67; ers. psychologist, Psychol. Serv. Pittsburgh, 66-68; staff med. psychologist, Langley Porter Neuropsychiat. Inst. 68-69; ASST. PROP. PSYCHOL, inst. on aging, South Florida, 69-70; HAWAII, HILO, 70. U.S.A, 43-46. Psychol. Asn; Soc. Proj. Tech. & Personality Assessment; Soc. Phenomenology & Existential Philos. Psychological development in the adult years; multivariate research methods. Address: Dept. of Psychology, University of Hawaii, 333 W. Lanikaula, Hilo, Hawaii 96720.
- RADUS, DR. LIBBY, b. New York, N.Y., Jan. 23, 14. SPEECH PATHOLOGY, PSYCHOLOGY. B.A, Denver, 50, M.A, 51; Ph.D. (speech path, psychol), Florida, 65. Admin. asst. speech path, children's speech clin, Univ. Denver, 47-50, suppr., 50-51, exec. asst, 51-52; dir. & speech pathologist, Hampton Roads Speech & Hearing Center, 52-63, 65-68; HEAD SPEECH PATH. & AUDIOL. DEPT, RIVERSIDE HOSP, 68. W.A.C, 43-46, Capt. Speech & Hearing Asn. Aphasia. Publ: Implications for language retraining in theory of disengagement and motivation, J. Speech & Hearing Asn. Va, spring 66. Address: Speech Pathology & Audiology Dept, Riverside Hospital, J. Clyde Morris Blvd, Newport News, Va. 23601.
- RAFELD, DR. FREDERICK J(AMES), b. Ashland, Ohio, Feb. 1, 40; m. 60; c. 2. AGRICULTURAL ECONOMICS. ECONOMICS. B.S., Ohio State, 62; M.S., 65, Ph.D. (agr., econ), 68. Agr., economist, U.S. Dept. Agr., 62, 68: ASST. PROF. AGR. ECON, LA. STATE, BATON ROUGE, 68- Agr. Econ. Ass., Econ. Asn., Linear programming analysis of farm adjustments; analysis of influence of attitudes, goals, management ability and growth strategies on farm firm growth, dairy farm adjustments. Publ: Co-auth, Economic evaluation of actual and optimal adjustments in resource use on 160 acre farms in west central Ohio, 1956-1959, 64, Farmers' responses to the feed grain program in the Ohio corn belt area, 67 & Actual and optimal adjustments on 320 acre farms in west central Ohio, 1957-1959, 67, Ohio Agr. Res. & Develop. Center. Address: Dept. of Agricultural Economics, Louisiana State University, Baton Rouge, La. 70803.
- RAFTIS, J. AMBROSE, C.S.B. Medieval & Modern Social History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- RAGLAND, PROF. G(EORGE) R(UFUS), b. Oklahoma City, Okla, May 16, 16; m. 66; c. 2. SOCIOLOGY. B.S, Langston, 38; M.A, State Univ. Iowa, 39, Ph.D.(sociol), 53. Supt, Deal, Blind & Orphan's Home, Taft, Okla, 41-45; instr. sociol, Southern Univ., 45-46; head dept, soc. sci., Tex. Col., 46-48, prof. soc. sci. & head dept, 54-55; instr. SOCIOL, State Univ. Iowa, 49-53; head dept, Ala. Agr. & Mech. Col., 55-54; PROF. & HEAD DEPT, PRAIRLE VIEW AGR. & MECH. COL, 55- Sociol. Soc. Minorities; delinquency. Address: Dept. of Sociology, Prairie View Agricultural & Mechanical College, Prairie View, Tex. 77445.
- RAGSDALE, DR. RONALD GENE. Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Computer Applications, Ontario Institute for Studies in Education, 252 Bloor St. W, Toronto 5, Ont, Can.

- RAHE, DR. RICHARD HENRY, b. Seattle, Wash, May 28, 36; m. 60; c. 2. PSVCHIATRY. Princeton, 54-57; M.D. Washington (Seattle), 61. Med. intern, internal med, Bellevue Second Med. July, New York, N.Y., 81-62; resident psychiat, Washington (Seattle), 62-64, chief resident, 64-65; res. psychiatrists, U.S. Navy Med. Neuropsychiat. Res. Unit, San Diego, Calif, 65-68; Nat. Inst. Ment. Health fel. neurocardiol, Serafiner Hosp. & Karolinska Inst, Stockholm, Sweden, 68-69; CHIEF FLEET PHOBS. & BIOCHEM. COR. RELATES OF STRESS, U.S. NAVY MED. NEUROPSYCHIAT. RES. UNIT, SAN DIEGO, 69- Med. C, U.S.N.R, 65-, Comdr. AAS, Psychosom. Soc; N.Y. Acad. Sei. Psychosomatic medicine; analyses of life patterns of persons prior to recognition of illness; analyses of body physiology in response to psychological and physical stress. Publ: An unusual cardiac (ventricular) arphythmia in a child; sychiatric and psychophysiologic aspects, Psychosom. Med. 66; Serum uric acid and cholesterol variability, J. Am. Med. Asn, 68; Life crisis and health change, In: Psychotropic drug response: advances in prediction, C.C. Thomas, 69. Address: 4975 Ocean Blvd, San Diego, Calif. 32109.
- RAIA, DR. ANTHONY P, b. Clifton, N.J., May 24, 28; m. 62; c. 2. MANAGE-MENT, BEHAVIORAL SCIENCE. B.S. Columbia, 56; M.B.A. California, Los Angeles, 60, Ph.D. (mgt, behav. sci), 63. V. pres. electronics, Progressive Electronics Co, 56–58; asst. prof. MGT, Maryland, 63–65; ASSOC. PROF, Miami (Flai), 65–69; ARAD. SCH. ADMIN, CALIFORNIA, LOS ANGELES, 69. Consult, Purex Corp. 62–64; Vitro Labs, inc. 64–67; Stanford Res. Inst., 66–67; South. Bell Tel. Co, 66–; Palm Beach County Sch. Syst, 66. U.S.A.F., 51–53, Air Nat. Guard, 53–64, Capt. Acad. Mgt. Management development; organizational growth and development; systems analysis. Publ: Goal-setting and self control: an empirical study, J. Mgt. Studies, 2/65; Educational value of management games, J. Bus, 7/66; Scientists, engineers, and technological obsolescence, Calif. Mgt. Rev, winter 67. Address: 313 18th St, Manhattan Beach, Calif. 90266.
- RAINE, DR. JESSE E(MERSON), b. Ft. Knox, Ky, Feb, 12, 37; m. 59; c. 3. ECONOMICS, STATISTICS. B.S, Kentucky, 61, Nat. Defense Ed. Act grant, & M.S, 63, Nat. Sci. Found, grant & Ph.D. Lecon), 65. Instr. soc. sci, Middle Tenn. State, 63-66, asst. prof. econ, 66-67, ASSOC. PROF, 67-68; STATIST, TULSA, 68- Econ. Asr, Inst. Decision Sci. Real property taxation; inventory control. Address: Dept. of Economics, University of Tulsa, Tulsa, Okla. 74135.
- RAINEY, DR. GENE EDWARD. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. & head dept, University of North Carolina at Asheville, N.C. 28801.
- RANVILLE, DR. JEAN MARIE, b. St. Felix de Valcis, Que, June 13, 34; m. 62; c. 1. M.A, Montreal, 60; D.Sociol, Sorbonne, 65. Researcher, J.C. LaHaye Planning Consult, 61-63, chief dept. urban renewal, 65-66; ASST. PROF. SOCIOL. ORON. & ADMIN, doctoral studies, Paris, 66-67; MONTREAL, 67-Can. Soc. Sociol. & Anthrop. Urban community; sociology of organizations and administration. Publ: Condition owriere et integration sociale, Editions Ouvrieres, 67. Address: Dept. of Industrial Relations, University of Montreal, Montreal, Que, Can.
- RAINWATER, PROF. LEE. Sociology, Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. sociol, 69-, Dept. of Social Relations, Harvard University, William James Hall, Cambridge, Mass. 02138.
- RAJENDER, PROF. GANDI R, b. Madras, India, June 10, 15; m. 46; c. 2. MANAGEMENT, DECISION SCIENCES. B.S., Madras, 36; M.S., Wyoming, 62, Ph.D.(ed), 67. Supt, Govt. Madras, 37-42; commandant, spec, police battaloion, Govt. Madras & Andhra, 47-60; res. assoc. bus. & econ, Wyoming, 65-67; assoc. prof. mgt. & finance, ST. CLOUD STATE COL, 67-68; PROF. MGT. & FINANCE & DIR. BUR. BUS. RES, 68- Mgt. consult, Consult. & Bus. Res. Inc, 70- Indian Army, 42-47, Capt. Inst. Decision Sci; Acad. Mgt. Business and economic research, especially the decision-making process. Publ. Study of the resources, people, and economy of Teton County, 67 & co-auth, Traveler attitude toward highway billboard advertising, 69, Univ. Wyoming. Address: Bureau of Business Research, St. Cloud State College, St. Cloud, Minn. 56301.
- RALLINGS, DR. E(LISHA) M(ONROE), b. Pageland, S.C., Feb. 10, 24; m. 47; c. 4. SOCIOLOGY; SOCIAL PSYCHOLOGY. B.S. Clemson, 49, M.S. 50; Ph.D. Isociol.) Fla. State, 64. Temporary assoc. prod. agron, Clemson, 50-52; teacher, high sch, S.C., 52-60; ASST. PROF. SOCIOL, Miss. State, 64-66; NORTH CAROLINA, CREENSBORO, 66-U.S.A, 43-47, S/Sgt. Sociol. Ass; Asn. Marriage Counsy; Nat. Coun. Family Rels. Research in the areas of marriage, the family and the small group, especially attitudes, values and communication. Publ: A conceptual framework for studying the family: the situational approach, Macmillan, Problems of those who marry too young—too soon, Miss. Ed. Adv. & Family situations of married and never-married males, J. Marriage & the Family, 66. Address: Dept. of Sociology, University of North Carolina, Greensboro, Nc. 27412.
- RALSTON, DR. NANCY CAROLINE, b. Indianapolis, Ind, June 2, 31. PSY-CHOLOGY, EDUCATION. A.B., DePauw, 53; M.S., Indiana, 54, Ph.D. (counseling byte), 61. Asst. dean women, Miami (Ohio), 54-55, asst. dir. counseling bur, 55-56; exam. psychol. testing, pub. schs, Ohio, 57-61; asst. prof. ED. PSYCHOL, CHOCINATI, 61-64, ASSOC. PROF, 64-Psychol. Asn. Child and adolescent psychology; evaluation and measurement. Adress: Dept. of Psychology, University of Cincinnati, Cincinnati, Ohio 45221.
- RAMAMOORTHY, DR. CHITTOOR V. Computer Sciences, Electrical Engineering. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- RAMER, DR. JOHN (CARL). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 69-, Dept. of Psychology, Indiana State University, Terre Haute, Ind. 47807.
- RAMEY, DR. JAMES W. Communication, Administration. See Suppl. V to 11th ed, Phys. & Biol. Vols.

RAMINENI, DR. AYYANNA, b. Brahmanakodur, Andhra, India, Oct. 12, 29; m. 66; c. 2. ECONOMICS. B.Sc, Andhra, India, 50; M.Sc, Banaras Hindu Univ, 53; M.A, Minnesota, Minneapolis, 57, Ph.D. (econ), 66. Instr. financial math, Minnesota, Minneapolis, 61-64; ASST. PROF. econ, Northland Col, 64-67; ECON. & FINANCE, XAVIER (OHIO), 67. Econ. Asp; Statist. Asn. Corporate financing and capital budgeting. Address: Dept. of Economics, Xavier University, Clicinnati, Ohio 452071.

RAMIREZ, DR. ALBERT, b. Houston, Tex, Nov. 15, 36; m. 66; c. 1. SOCIAL PSYCHOLOGY. B.A, Houston, 61, M.A, 64, Ph.D.(psychol), 66. ASST. PROF. COMMUNITY DEDT, SCH. DEDT. & PSYCHOL, COL. GEN. STUD. IES, ALABAMA, BIRMINGHAM, 66- U.S.A, 55-57. Pub. Health Asn; Psychol. Asn; Soc. Psychol. Study Social Issues. Educational research and evaluation; techniques of dental health education, particularly within the framework of dentist-patient relationship. Publ. Co-auth, Use of simulated experiences in teaching community dentistry, J. Dent. Ed. 31; 521-527, Prevention for dental health: its relationship to the values of the individual, J. Pub. Health Dent, Vol. 29, No. 2 & Student dental health program of the University of Alabama in Birmingham. Il Socioeconomic similarities and perceptual differences between two groups of nursing students, J. Am. Col. Health Asn, 17: 383-386. Address: Dept. of Dentistry, University of Alabama and School of Dentistry, 1919 Seventh Ave. S, Birmingham, Ala. 35233.

RAMNATH, DR. RUDRAPATHA V. Aerospace Sciences, Applied Mathematics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

RAMOS AVELLO, PROF. OSCAR, b. Havana, Cuba, Sept. 14, 12; U.S. citizen; m. 43; c. 2. ECONOMICS, SPANISH. B.S., Inst. Havana, 29; Ph.D. (econ, polit, seri & license in diplomatic & consular law, Havana, 44, Ph.D. (law), 39; summer, Harvard, 53; M.A., South Carolina, 67. Prof. econ, fiscal policy & pub. finance, Villanueva, 51-60; assoc. res. prof. econ, law sch, Miami, 61-62; assoc. prof. econ, Spanish & acct, Benedict Col, 62-67; Spanish int. Iti, Newberry Col, 67-68; PROF. ECON. & INT. ACCT, ALLEN, 68-Staff mem, Tax Reform Cmt. of Cuban Govi, 59-60; Cuban Econ. Plan Cmn, 61; participant, Nat. Sci. Found. Summer Inst. Econ. Teachers, Univ. South Carolina, 67, 70. Am. Asn. Teachers Spanish & Portuguese; Modern Lang, Asn. Am; Tax Inst. Am; Am. Acct. Asn; Am. Econ. Asn; Cuban Econ. Asn. investment companies. Address: 25 B Woodland Terr, Columbia, S.C. 29205.

RAMRAS, EUGENE MURRAY, b. Hartford, Conn, June 17, 26; m. 52; c. 3. PSYCHOLOGY. B.A, Brooklyn Col, 49; M.A, Columbia, 50. Res. psychologist, Naval Personnel Res. Lab, 51-56, br. head, occup. & orgn. res. br, Naval Personnel Res. & Develop. Lab, 56-58, dir, ord. weapons systs. div, Naval Personnel Res. & Develop. Lab, 56-56, dir, ord. weapons systs. div, Naval Personnel Res. Lab, 58-61, asst. br. head, new develop. res. br, Bur. Naval Personnel 61-64, dir, man/machine systs. res. dept, NAYAL PERSONNEL RES. & DEVELOP. Lab, 64-67, TECH. DIR, 67- Secy, Navy Study Group Manpower Mgt. Systs, 62; mem, Navy Lab. Adv. Tech. Objectives Working Group, 68. Consult, personnel & training res. to dep. chief Naval Opers, 62-64. Mem, Intra-Navy Cmt. Submarine Habitability Res. & Develop, 61-65. U.S.A.A.F, 45-47. AAS; Psychol. Asn; Human Factors Soc; Inst. Elec. & Electronic Eng; Personnel & Guid. Asn. Man machine systems; human factors research; personnel research; manpower studies. Address: 14731 Myer Terr, Rockville, Md. 20853.

RAMSETT, DR. DAVID E, b. Viroqua, Wis, May 12, 42; m. 62; c. 2. ECO-NOMICS. B.A, Luther Col. (lowa), 65; M.A, Oklahoma, 67, Ph.D. (econ), 68. Asst. prof. ECON, Northern Iowa, 68-70; ASSCO. PROF, NORTH DAKOTA, 70-U.S.A, 61-62. Econ. Asn. Role of economic integration as a mechanism to further the growth and development of less developed economies with emphasis toward Central America. Publ: Regional industrial development in Central America, Praeger, 69. Address: Dept. of Economics, University of North Dakota, Grand Forks, N.Dak. 58202.

RAMSEY, DR. DIANE M. Psychology. See RAMSEY-KLEE, DR. DIANE M, this Suppl.

RAMSEY, DR. JOHN, b. Monticello, Ark, Dec. 7, 30; m. 61; c. 2. POLITICAL SCIENCE. B.S, Ark. Agr. & Mech. Col., 51; M.A, Arkansas, 53; Ph.D. (polit. sci), Missouri, 61. Teacher, high sci, Mo, 55-60; instr. POLIT. SCI, Missouri, 60-63; Wake Forest, 63-64; asst. prof. OLD DOMINION, 64-68, ASSOC. PROF, 68-U.S.A, 53-55. Polit. Sci. Asn. Role of the director of the Burcau of the Budget as a nide to the President. Address: Dept. of Political Science, Old Dominion University, Norlok, Va. 23508.

RAMSEY-KLEE, DR. DIANE M, b. Duluth, Minn, Nov. 6, 28; m. 68. PSY-CHOLOGY. B.A, Minnesota, 50, M.A, 54, Off. Naval Res. fel, 55-58, Ph.D, 58. Asst. psychologist, U.S. Govt, D.C., 36-62; sr. scientist, astropower lab, Despending of the property of the pro

RANALD, DR. RALPH ARTHUR. English & American Literature. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

RANDALL, PROF. DUNCAN P(ETER). Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. & chmn, 68-, Dept. of Geography, University of North Carolina at Wilmington, P.O. Box 3725, Wilmington, N.C. 28401.

RANDLES, DR. RONALD HERMAN. Statistics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

RANKIN, DR. C(ARL) E(MMET). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 69. Address: 302 D Forest Park Dr. Charlotte, N.C. 28209.

RANKIN, PROF. EARL F(REDERICK), JR. Educational Psychology. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position & address: Prof. ed. & coordinator reading studies, 68-, College of Education, University of Kentucky, Lexington, Ky. 40506.

RANSFORD, DR. H. EDWARD. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 69-, Dept. of Sociology, University of Southern California, Los Angeles, Calif. 90007.

RANSOM, DR. ROGER L, b. Berkeley, Calif, Sept. 5, 38; m. 60; c. 2. ECO-NOMICS, ECONOMIC HISTORY. B.A, Reed Col, 59; Ph.D.(econ), Washington (Seattle), 63, 48t; prof. ECON, Washington (Seattle), 63; Yirginia, 63-67; lectr, California, Berkeley, 67-68; ASSOC. PROF, CALIFORNIA, RIVER-SIDE, 68-Econ. Asn. Econ. Hist. Asn. Brit. Econ. Hist. Soc. Publ: Canals and economic development—a discussion of the issues, Am. Econ. Rev, 64, Interregional canals and economic specialization in the antebellum United States, Explor. Entrepreneurial Hist, 68 & Social returns from public investment—a case study of the Ohio Canal, J. Polit. Econ., 70. Address: Dept. of Economics, University of California, Riverside, Calif. 92502.

RAO, DR. AMBAR G, b. Calcutta, India, Dec. 1, 37; m. 68, MANAGEMENT SCIENCE, OPERATIONS RESEARCH. B. S. Indian Inst. Tech. 58; M.S. Case Inst. Tech. 64; Ph.D. (opers. res.), Pennsylvania, 67. Res. asst. opers. res. Case Inst. Tech. 63-64; res. fel, mgt. sci. center, Pennsylvania, 64-66; res. assoc, Mobil Oil Corp. 66-69; ASST. PROF. OPERS. RES. NY, UNIV. 67-Dir, OR-MS Dialogue Inc. 69- Consult, Mobil Oil Co., 69- (Sec. Am; Inst. Mgt. Sci. Asn. Comput. Mach. Quantitative applications in areas where human behavior plays an important role; statistical analysis, particularly forecasting. Publ. Quantitative theories in advertising, Wiley, 70; co-auth, Adaptive smoothing with evolutionary spectra, Mgt. Sci., 70. Address: 110 Bleeker St, Apt. 11-A, New York, N.Y. 10012.

RAO, DR. B. RAJA. Mathematical Statistics, Biometry. See Suppl. V to 11th ed, Phys. & Biol. Vols.

RAO, PROF. J(ONNAGADDA) N(ALINI) K(ANTH). Statistics, Economics. See L.-Z Vol., 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Statistics, University of Manitoba, Winnipeg, Man, Can.

RAO, DR. MENDU RAMMOHAN, b. Madras, India, Aug. 6, 41. BUSINESS ADMINISTRATION, OPERATIONS RESEARCH. B. E. Madras, 62; M. E. Cornell, 64; Ph.D. (Indust. admin), Carnegie-Melion Univ, 69. Assoc. res. engr, appl. res. lab, U.S. Steel Corp., 64-68; Int. Center Mgt. Sci. fel, Center, Opers. Res. & Economet, Louvain, Belgium, 68-69; ASST. PROF. PROD. & QUANT. METHODS, ROCHESTER, 69- Opers. Res. Soc. Am; Inst. Mgt. Sci. Large scale linear programming; network analysis combinatorial problems; integer programming and warehousing models. Publ: Co-auth, Finding a cycle in a graph with minimum cost to time ratio with application to a ship routing problem & All shortest routes from a fixed origin in a graph, In: Theory of graphs, Proc. Int. Symp. Rome, 66 & Allocation of transportation units to alternative trips—a column generation scheme with out of kilter sub-problems, Opers. Res., 1&2/68. Address: Graduate School of Management, University of Rochester, Rochester, N.Y. 14627.

RAO, DR. PODURI S. R. S. Mathematics, Statistics. See Suppl. V to 11th ed, Phys. & Biol. Vols.

RAOUF, PROF. ABDUL. Industrial Engineering. See Suppl. V to 11th ed, Phys. & Biol. Vols.

RAPER, DR. ARTHUR F(RANKLIN). Sociology, Rural Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New publ: Rural development in action: the comprehensive experiment at Comilla, East Pakistan, Cornell Univ, 70. Address: Slope Oaks, 10801 Miller Rd, Oakton, Va. 22124.

RAPHAEL, DR. C. NICHOLAS. Geography, Geomorphology. See 12th ed, Phys. & Biol. Vols.

RAPIN, DR. ISABELLE (MRS. HAROLD OAKLANDER). Neurology, Pediatric Neurology. See Suppl. V to 11th ed, Phys. & Biol. Vols.

RAPKIN, DR. MAURICE. Psychology. See L.-Z. Vol, 11th ed, Soc. & Behav. Vols. New position: Consult, Los Angeles Psychol. Serv. Center, 70-Address: 10480 Santa Monica Blvd, Los Angeles, Calif. 90025.

RAPPAPORT, DR. M(AURICE). Psychology. See L-Z Vol, 11th ed, Soc. & Behav, Vols. Change of address: 24380 Summerhill Ave, Los Altos Hills, Calif. 94022.

- RAPPAPORT, DR. SHELDON R. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 3801 Gradyville Rd, Newtown Square, Pa. 19073.
- RAPPAPORT, DR. SIDNEY M. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 535 Pennsylvania Ave, Ft. Washington, Pa. 19034.
- RASHKIS, DR. HAROLD A(LBERT). Psychology, Psychiatry. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Clin. prof. psychiat. & human behav, California, Irvine, 69-; dep dir. res. & eval, Orange County Community Ment. Health Serv, 69- Address: Community Mental Health Services, 2215 N. Broadway, Santa Ana, Calif. 92706.
- RASHOTTE, DR. MICHAEL E, b. Tweed, Ont, Sept. 2, 39; m. 66; c. 1. PSY-CHOLOGY. B.A. Western Ontario, 60; M.A. Toronto, 52, Ph.D. (psychol), 68. Instr. PSYCHOL, Western Ontario, 62-63; Nat. Res. Coun. Can. fel. & spec. lectr, Toronto, 68-67, asst. prof, 67-68; lectr, Univ. Col, London, 68; ASST. PROF, FLA. STATE, 68-AAS; Psychol. Asn. Experimental and theoretical analysis of behavior in simple conditioning situations. Address: Dept. of Psychology, Florida State University, Tallahassee, Fla.
- RASK, DR. NORMAN. Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. Dept. of Agricultural Economics, 2120 Fyffe Rd, Ohio State University, Columbus, Ohio 43210.
- RASKIN, DR. MARCUS GOODMAN. Political Philosophy, Government. See 5th ed. Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- RASMUSSEN, PROF. ALBERT TERRIL. Sociology, Sociology of Religion See 11th ed, Soc. & Behav. Vols, deceased 69.
- RASMUSSEN, CLYDE L, b. Hyrum, Utah, Sept. 27, 13; m. 36; c. 3. ECONOMICS. A, B. Utah, 34; M.S., California, Berkeley, 36. Examiner accts, Fed. Power Cmn, San Francisco, Calif, 36-41; indus. Specialist, West. Utilization Res. & Develop. Div. Agr. Res. Serv., U.S. Dept. Agr., 41-44; price analyst, U.S. Dept. Army, San Francisco, 44-45; supt. food processing, Calif. Frozen Foods, Modesto, 45-46; chief proj. acct. region 2, U.S. Bur. Reclamation, Sacramento, 46-48; INDUST SPECIALIST, WEST. UTILIZATION RES. & DEVELOP DIV. AGR. RES. SERV, U.S. DEPT. AGR, ALBANY, 48-Supr., U.S. peach processing exhibit, Fiera del Levant, Bari, Italy, summer 57 & mem. team to surv. sugar indust, Ryukyu Islands, summer 63. Inst. Food Tech. Economic evaluation of methods for processing agricultural commodities; determination of market potentials and commercial applicability of new products and processors; evaluation of research proposals and goals including benefit-cost analysis. Publ: The dynamic food industry and our eating concepts, 12/65 & Man and his food: 2000 A.D, 5/69. Food Tech; Economics of present and hiture freezing methods, Am. Soc. Heating Refrig. & Air Conditioning Engr. J, 6/67. Address: 915 Arlington Ave, Berkeley, Calif. 94707.
- RASMUSSEN, DR. JOHN E(DWARD). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Consult to dir, Pac. Northwest Lab, Battelle Mem. Inst, 69- Address: 111 Somerset St, Richland, Wash. 99352.
- RASMUSSEN, DR. JON A, b. Astoria, Ore, May 20, 42; m. 64; c. 1. ECO-NOMICS. B.A, Oregon, 64; Ph.D.(econ), Northwestern, 69. Lectr. ECON, WESLEYAN, 68-69, ASST. PROF, 69- Econ. Asn; Economet. Soc. Economics of technological change; investment behavior; structure of competition in industrial markets. Publ: Co-auth, An application of chance constrained programming to portfolio selection in a casualty insurance firm, Mgt. Sci, 6; 69. Address: Dept. of Economics, Wesleyan University, Middletown, Conn. 06457.
- RASMUSSEN, DR. JORGEN SCOTT, b. La Porte, Ind, May 23, 35; m. 58; c. 2. POLITICAL SCIENCE, COMPARATIVE POLITICS. A. B, Indiana, 57; M. A, Wisconsin, 58, Ph.D. [901t]. scil, 64. Asst. prof. POLIT. Scil, Arizona, 62-66; assoc. prof., Vanderbilt, 66-68; vis. assoc. prof., Columbia, 68-69; ASSOC. PROF. VANDERBILT, 69-Rev. consult, Choice, 66; consult, Life World Library, 69. Polit. Sci. Asn. Political process in Western nations, especially Great Britain and particularly political parties. Publ: Retrenchment and revival, 64 & The relations of the Profumo rebels with their local parties, 66, Univ. Arizona: The process of politics, Atherton, 69. Address: Box 1676, Station B, Vanderbilt University, Nashville, Tenn. 37203.
- RATCHFORD, DR. B(ENJAMIN) U(LYSSES). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 133 Pinecrest Rd, Durham, N.C. 27705.
- RAUNER, DR. THERESE M(ADELINE). Educational Psychology, Guidance. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Sch. psychologist, West Point Elem. Sch, 68- Address: Ft. Montgomery, N.Y. 10922.
- RAUNIKAR, DR. ROBERT, b. McAlester, Okla, June 13, 31; m. 58; c. 3. AGRICULTURAL ECONOMICS, ECONOMICS. B.S. Okla. State, 56, M.S., 58; Ph.D. (agr. econ), N.C. State, 63. Asst. economist, GEORGIA, 62-69, ASSOC. ECONOMIST, 69- U.S. A.F., 51-55, 5/5gt. Agr. Econ. Asn. Analysis of demand with particular emphasis on foods in three levels of market aggregation; current and projected estimates of demand for foods. Publ. Spatial aspects of demand for foods Proc. Asn. South. Agr. Workers, 67; Quantity-income elasticities for foods by level of income, J. Farm Econ, 12/67; Spatial and temporal aspects of the demand for fluid milk in the United States, Ga. Agr. Exp. Sta. Res. Bull, 6/69. Address: Dept. of Economics, University of Georgia, Georgia Station, Griffin, Ga. 30223.
- RAUSHENBUSH, STEPHEN. Economics, Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New publ: Man's past; man's future, Delacorte, 69. Address: 315 Treasure Boat Way, Sarasota, Fla. 33581.

- RAWLINS, DR. V. LANE, b. Rexburg, Idaho, Nov. 30, 37; m. 60; c. 3. ECO-NOMICS. B.S, Brigham Young, 63; Ph.D. (econ), California, Berkeley, 69. Instr. ECON, California, Berkeley, 67-68; ASST. PROF, WASHINGTON STATE, 68- Econ. Asn. Manpower economics; economics of education. Address: Dept. of Economics, Washington State University, Pullman, Wash. 99163.
- RAWSON, MARCARET B(YRD) (MRS. ARTHUR J), b. Rome, Ga. June 30, 99, m. 23; c. 2. LANGUAGE DISORDERS. A.B, Swarthmore Col. 23; Pa. Sch. Soc. Work, 23-25; M.A, Pennsylvama, 40. Caseworker, Family Serv. Phila, 23-25; dir. (amily serv, Family Serv. West. Del. County, 25-27; staff mem, Sch. Rose Valley, Pa., 30, -47; asst. prof. sociol, Hood Col. 47-66; ED. BULL. ORTON SOC, 65- Clin. psychologist, Ment. Health Clin, Frederick County, Md, 50-57; teacher, adult diy, Hood Col., 59-64; Nat. Easter Seal Res. Found. & Hood Col. grants, 64-67; asst. prof, Rectory Sch. grad. sch. ed, Univ. Connecticut, summers 67- Consult. lang. disorders, 35-; lang. consult, Easter Seal Treatment Center, Montgomery County, Md, 65-; mem, Interdisciplinary Cmt. Reading Probs, 66- Coun. Except. Children; Orthopsychiat Asn, Sci. Res. Soc. Am; Orton Soc.(v.pres, 63-64, pres, 65-69; mem. bd). Development and disorders of the language function; all levels of education; sociology. Publ: Bibliography on the nature, recognition and treatment of language difficulties, Orton Soc. Pomfert, Conn. 66; Developmental language dissability: adult accomplishments of dyslexic boys, Hopkins, 68; Prognosis in dyslexia, Acad. Ther. Quart, spring 66. Address: Foxes Spy, Route 10, Frederick, Md. 21701.
- RAY, DR. B(ARBARA) A(NN), b. New York, N.Y, Dec. 17, 37. EXPERIMENTAL PSYCHOLOGY. B. A. Columbia, 58, Ph.D.(exp. psychol), 66. Res. assoc, HARVARD MED. SCH, 66-69, ASSOC. NEUROL, 69-; ASST. PSYCHOL. IN NEUROL, MASS. GEN. HOSP, 66- AAAS. Discrimination learning; acquisition of stimulus control by animals; nonverbal humans, and normal children. Publ: Selective attention: effect of combining stimuli controling incompatible behavior, J. Exp. Anal. Behav, 69; Psychophysical testing of neurological mutant mice, In: Animal psychophysics, 70 & Reinforcement schedules and stimulus control, In: The theory of reinforcement schedules, 70, Appleton. Address: Neurology Research, Massachusetts General Hospital, Boston, Mass. 02114.
- RAY, DR. MICHAEL L, b. Chicago, Ill, Feb. 6, 39; m. 59; c. 5. SOCIAL PSY-CHOLOGY, BUSINESS. B.S. Northwestern, 61, M.S. 62, M.A. 65, Ph.D. (soc. psychol), 67. Prod. mgr. Patterson Pub. Co, Ill, 59-61; proj. dir. advert. res. Foote, Cone & Belding, Inc, 61-63; instr. advert, Northwestern, 63-67; ASST. PROF, MKT, STANFORD, 67-Asst. prod. mgr. Topco Assocs, Ill, 60-61; lectr, eve. div, DePaul, 62-63; grants, Am. Asn. Advert. Agencies Ed. Found, 68-70; div. sociol. & soc. psychol, Nat. Sci. Found, 69-70; small grant div, Nat. Inst. Ment. Health, 70-71. AAAS; Psychol. Asn, Asn. Pub. Opinion Res. Development of multiple and unobtrusive measures of attitude; attitude change through communication; applied attitude research. Publ: Coauth, Speech duration effects in the Kennedy news conferences, Science, 65; auth, Biases in the selection of messages designed to induce resistance to persuasion, J. Personality & Soc. Psychol, 68; co-auth, Neglected problems (opportunities) in research: the development of multiple and unobtrusive measures, Am. Mkt. Asn, 69. Address: Dept. of Marketing, Graduate School of Business, Stanford University, Stanford, Calif. 34305.
- RAY, PROF. OAKLEY S(TERN). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Prof. psychol. & assoc. prof. pharmacol, Vanderbilt, 70-; chief psychol. serv, Vet. Admin. Hosp, Nashville, 70- Address: 105 Blue Grass Point, Hendersonville, Tenn. 37075.
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- RAYL, PROF. LEO S, JR. Industrial Engineering. See Suppl. Vto 11th ed, Phys. & Biol. Vols.
- RAYMOND, DR. BETH J, b. New York, N.Y, Apr. 12, 43; m. 63. EXPERI-MENTAL PSYCHOLOGY. Nat. Sci. Found. summer fels, N.Y. Univ, 64, 65, 66, univ. fels, 65-67, Ph.D. (human learning & memory), 68. ASST. PROF. PSYCHOL, HOFSTRA, 67. Learning; memory; statistics. Publ: Co-auth, Continuity of exposure effects in tachistoscopic perception, Psychonomic Sci, 67; auth, Short-term storage and long-term storage in free recall, J. Verbal Learning & Verbal Behav, 10/69. Address: Dept. of Psychology, Holstra University, Hempstead, N.Y. 11550.
- RAZA, DR. M. ALI. Business Administration, Industrial Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. & dir, 69-, International Affairs Center, Sacramento State College, Sacramento, Calif. 95819.
- READ, DR. JOHN DONALD, b. Vancouver, B.C., Jan. 23, 43; m. 64. EXPER-IMENTAL PSYCHOLOGY. B.A, British Columbia, 64; M.S, Kansas Stafe, 66, Can. Coun. fel. & Ph.D. (exp. psychol), 69; Hawaii, 66-67. ASST. PROF. PSYCHOL, LETHBRIDGE, 69- An evaluation of typical procedures in verbal learning and their appropriateness to models of human memory and organizational processes. Publ: Co-auth, Effect of simultaneous list presentation on paired-associate learning, Psychol. Reports, 12(66, Addition of context cues to response terms of paired-associate learning and transfer, J. Verbal Learning & Verbal Belary, 670. Address: Dept. of Psychology, University of Lethbridge, Lethbridge, Atla, Can.

- READ, DR. RAYMOND LEE, b. Baytown, Tex, May, 17, 40; m. 64; c. 1. MANAGEMENT, STATISTICS. B. B. A., Baylor, 62, M.B.A., 64; univ. fel, Texas,
 Austin, 66-67, NASA Manned Spacecraft Center grant, 67-68, Ph.D. (mgt,
 statist), 69. Admin. asst, trust div, Bank of Southwest, Tex, 64-65; ASST.
 PROF. MGT, FLA. STATE, 68- Acad. Mgt. Effect of project team and
 contract characteristics on the performance of research and development
 contracts; use of management consultants by small businesses. Publ: A
 study of the relationship of certain project team and contract characteristics
 to the performance of research and development contracts, NASA, 1/69;
 co-auth, Contemporary approaches to the control of organizational conflict,
 Bus. Studies, fall 69. Address: 1225 Winifred Dr, Tallahassee, Fla. 32303.
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- REAVIS, DR. LARRY D, b. Independence, Mo, July 31, 36; m. 62; c. 1. SO-CIAL PSYCHOLOGY. B.A. Missouri, 62, M.A. 64; Nat. Inst. Ment. Health fel, Ohio State, 65-67, Ph.D. (psychol), 67. ASST. PROF. PSYCHOL, SOUTHERN METHODIST, 67- U.S.A, 56-60. Effects of inequity feelings upon decisions; scientific psychology in emerging nations. Publ: Psychology in the emerging nations: Latin America, Africa, and the Middle East, In: Systems and theories in psychology, McGraw, 2nd ed, (in press). Address: Dept. of Psychology, Southern Methodist University, Dallas, Tex. 75222.
- REBERT, DR. CHARLES SIDNEY, b. Detroit, Mich, Feb. 8, 38; m. 62; c. 2. PHYSIOLOGICAL PSYCHOLOGY. A. B. San Diego State Col, 61, M.A. 64; Ph.D. (psychol), lowa, 68. Assoc. engr, Gen. Dynamics/Astronaut, 61-62; PHYSIOL. PSYCHOLOGIST, STANFORD RES. INST, 67- Atholt McBean Fel, physiol. psychol, Stanford Res. Inst. 67-68. U.S.A. R. 61-67. Biological substrates of learning and motivation, especially electrophysiology of learning and study of slow potentials in brain. Publ. Co-auth, Conative control of the contingent negative variation, Electroencephalog. & Clin. Neurophysiol, 66; Slow potential change in human brain related to level of motivation, J. Comp. & Physiol. Psychol, 67. Address: Dept. of Biobehavioral Sciences, Stanford Research Institute, Menlo Park, Calif. 94025.
- RECK, PROF. ANDREW J(OSEPH). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- RECK, DR. MARTIN, b. Brooklyn, N.Y, Aug. 14, 41; m. 67. INDUSTRIAL PSYCHOLOGY. B.A, Brooklyn Col, 63; M.S. Purdue, 65, Ph.D. (psychol), 67. Teaching asst. PSYCHOL, Purdue, 68-67; ASST. PROF, WEST. WASH. STATE COL, 67- Res. asst, Indianapolis Hosp. Develop. Asn, 66-67. Psychol. Asn. Prediction of academic achievement with life history inventory; effects of pricing on consumer decisions. Publ: The prediction of achievement in ac ollege science curriculum, Ed. & Psychol. Measurement, 28: 943-944 & Sex and age differences in preference for nonalcoholic drinks, Psychol. Reports, 24: 746. Address: Dept. of Psychology, Western Washington State College, Bellingham, Wash. 98225.
- REDDING, DR. A(LAN) DAVID. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Chief econ. planning & res. div, Agency Int. Develop, Wash, D.C, 69- Address: 13000 Hartland St, North Hollywood, Calif. 91605.
- REDEMANN, WILLIAM W (ALLACE). International Relations, Marketing. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 418 Cedar St, Winnetka, Ill. 60093.
- REDFIELD, DR. DAVID D(OGGETT), b. Boston, Mass, Aug. 15, 31. SCI-ENCE EDUCATION. B.E.E, Virginia, 54, M.Ed, 55, cert.adv.studies, 59, Ed.D, 60. Sci. coordinator, pub. schs, Va. 60-61, sci. supprt, 82-64, asst. prof. SCI. ED, FLA. STATE, 64-67, ASSOC. PROF, 67-, ASSOC. DR. R. TERMEDIATE SCI. CURRICULUM PROJ, 661. Instr. Virginia, 66-64, Sast. State Univ. Res. Coun. grant, 65-66. inst. Sci. Found. Teacher Training grants, 65-60 soull, Gov. Cmn. Ed, Va, 63. Fel. AAAS, Asn. Physics Teachers; Ed. Res. Asn., Inst. Elec. & Electronics Eng. Nat. Asn. Res. Sci. Teaching; Nat. Sci. Teachers Asn. Sequencing of curriculum materials; psychology of learning; new course evaluation, teacher training techniques; systems and informational analysis. Publ. Contrib. co-ed, Probing the physical world, Vols. I, E. III. & IV, 67 & Probing the natural world, Vols. I & III, 68, Fla. State Univ. auth, An experimental study of the free-fall phenomenon, Sci. Teacher, 1/66. Address: Dept. of Science Education, Florida State University, Tallahassee, Fla. 32306.
- REDFORD, DR. DONALD B. Egyptology. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

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 PSYCHOLOGY, EDUCATION. B.S. in Ed, Kent State, 61, M.A, 62, fel, 64, Ph.D. (counsr: ed. & sch. psychol), 66. Asst. supt. & personnel dir, Uniform Printing Co, Ill, 45-47; off. mer, Belenky Woolen Co, Ohio, 47-49; partner, R-K Off. Serv, 49-50; teacher, elem. sch. 59-60; counsr, high sch. 61-63; psychologist, Summit County Bd. Ed, 65-64; Portage County Bd. Ed, 65-68. ASSOC. PROF. ED, HIRAM COL., 66-, DEAN STUDENTS, 69- Consult. to psychologists, Portage County Bd. Ed, 66-68. Psychol. Asn; Personnel & Guid. Asn. Counselor education; growth and development of the self concept from age nine to eighteen; perception and learning; neurological handicaps; youngness and retention in school. Publ: We need more Indians, Ohio Guid. News & Ylews, 63 & Grouping in the elementary classroom, Ideas Ed, winter 69. Address: Apt. 6, 433 Silver Oaks Dr, Kent, Ohio 44240.
- REDMOND, DR. JOHN F (RANCIS). Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 4508 Viola Place, Yakima, Wash. 98902.
- REEB, DR. DONALD JOSEPH. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Economist, 69-, State University of New York at Albany, Sayles Hall, Albany, N.Y. 12203.
- REED, DR. DALLAS JOHN, b. Missoula, Mont, May 23, 29; m. 62; c. 3. SO-CIOLOGY: B.A, Montana, 51, M.A, 55; Ph.D.(sociol), Minnesota, Minneapolis, 68. Instr. SOCIOL, Montana, 59-61; Idaho State, 61-63, asst, prof, 63-68, assoc. prof, 68-70, chmn. dept, 62-70, ASSOC. PROF, NEVADA, LAS VEGAS, 70- Lectr, Idaho Law Enforcement Acad, 63-69; gen. chmn, West. Interstate Cmn. Higher Ed. Soc. Serv. Ed. Inst, 65-66. Consult, Land Use Surv, City of Pocatello, Idaho, 63-69; U.S. Dept. Health, Ed. & Welfare Tech. Assistance Center Juvenile Delinquency, Univ. Colorado, 70. V.chmn, Vendor Eval. Cmt. State Comput, 68-69. U.S.A, 51-53, Res, 53-65, Capt. Sociol. Asn. Social science research methodology and computer applications to sociology; crime and related matters. Publ: A survey of correctional manpower in Idaho, West. Interstate Cmn. Higher Ed, 69; Consultant reviewer, in Choice, 66- Address: Dept. of Anthropology & Sociology, University of Nevada, Las Vegas, Nev. 89109.
- REED, DR. EDWARD WILSON. Finance, Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: V.pres. & economist, 68-, U.S. National Bank, F/O. Box 4412, Portland, Ore. 97208.
- REED, DR. ERIK K(ELLERMAN). Anthropology, Archaeology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, Nat. Park Serv, 69; prof, 69-, Dept. of Anthropology, Southern Methodist University, Dallas, Tex. 75222.
- REED, PROF. HOWARD ALEXANDER. Modern History, Islamic & Middle Eastern Studies. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- REED, DEAN JAMES A. Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dean, 69-, School of Education, East Stroudsburg State College, East Stroudsburg, Pa. 18301.
- REELING, DR. GLENN EUGENE, b. Dover, Pa, Aug. 21, 30; m. 62; c. 1. PSYCHOLOGY, EDUCATION. B.S. Pa. State, 52; M.A. New Mexico, 58; Ed.D.(ed. psychol), Indiana, 62. Teacher, pub. schs, Pa, N.Mex. & Ohio, 54-60; teaching assoc. ed. psychol. & res. methodology, Indiana, 60-62; editor, achievement tests, Houghton Mifflin Co, 62-63; coordinator off. testing & res, Montclair Pub. Schs, N.J., 63-66; dir. off. instill. res, JERSEY CITY STATE COL, 66-69; CHMN. DEPT. PSYCHOL, 69-Consult, grad. ed, State Dept. Higher Ed, N.J., 66: mid. sch. eval, East Orange Pub. Schs, 66-67; eng. ed, State Ed. Dept, N.T., 68-69, grad. ed, 69-70; trug ed, Caldwell-70. U.S.A., 52-54. Psyc., N.J., 69-69; biling. ed, N.J. Biling. Ed. Prog. 69-70. U.S.A., 52-54. Psyc., N.J. 69-70; biling. ed, N.J. Biling. Ed. Prog. 69-70. U.S.A., 52-54. Psyc., N.J. 69-70; biling. ed, N.J. Biling. Ed. Prog. 69-70. U.S.A., 52-54. Psyc., N.J. 69-70; biling. ed, N.J. Biling. Ed. Prog. 69-70. U.S.A., 52-54. Psyc., N.J. 69-70; biling. ed, N.J. Biling. Ed. Prog. 69-70. U.S.A., 52-54. Psyc., N.J. 69-70; biling. ed, N.J. Biling. Ed. Prog. 69-70. U.S.A., 52-54. Psyc., N.J. 69-70; biling. ed. N.J. Biling. Ed. Prog. 69-70. U.S.A., 52-54. Psyc., N.J. 69-70; biling. ed. N.J. Biling. Ed. Prog. 69-70. U.S.A., 52-54. Psyc., N.J. 69-70; biling. ed. N.J. Biling. Ed. Prog. 69-70. U.S.A., 52-54. Psyc., N.J. 69-70; biling. ed. N.J. Biling. Ed. Prog. 69-70. U.S.A., 52-54. Psyc., N.J. 69-70; biling. ed. N.J. Biling. Ed. Prog. 69-70. U.S.A., 52-54. Psyc., N.J. 69-70; biling. ed. N.J. Biling. Ed. Prog. 69-70. U.S.A., 52-54. Psyc., N.J. 69-70; biling. ed. N.J. Biling. Ed. Prog. 69-70. U.S.A., 52-54. Psyc., N.J. 69-70; biling. ed. N.J. Biling. Ed. N.J. 69-70; biling. ed. N.J. 69-7
- REESE, ELLEN P, b. Hartford, Conn, Aug. 30, 26; m. 49. PSYCHOLOGY. B.A. Mt. Holyoke Col, 48, M.A., 54. Res. asst. psychol, MT. HOLYOKE COL, 48-56, asst. dir. psychol. labs, 56-64, dir. 64-69, LECTR. PSYCHOL 70- Consult, Can. Nat. Res. Coun. Psychol. Asn; Animal Behav. Soc; N.Y. Acad. Sci. Animal behavior; learning; education; imprinting; psychophysics. Publ: Experiments in operant behavior, 64 & Behavior theory in practice (4 part film), 66, Appleton, chap, in: The analysis of human operant behavior, W.C. Brown, 66. Address: Dept. of Psychology, Mt. Holyoke College, South Hadley, Mass. 01075.
- REESE, PROF. HAYNE W(ARING). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Centennial prof, 70-, Dept. of Psychology, West Virginia University, Morgantown, W.Va. 26506.
- REESER, DR. ROBERT M. Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Sr. agr. econ, Stanford Res. Inst, 68-; agr. sector planner, Kingdom Saudi Arabia. Address: c/o Central Planning Organization, P.O. Box 358, Riyadh, Saudi Arabia.
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- REGIN, DR. DERIC WAGENVORT. Cultural History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- REHBERG, DR. RICHARD ALAN. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, Dept. of Sociology, State University of New York at Binghammon, Binghamton, NY, 13901.
- REHFUSS, DR. JOHN ALFRED. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Political Science Dept, Northern Illinois University, De Kalb, 111. 60115.
- REHMUS, PROF. CHARLES M, b. Ann Arbor, Mich, June 27, 26; m. 48; c. 4. POLITICAL SCIENCE, INDUSTRIAL RELATIONS. A.B. Kenyon Col, 47; Michigan, 47-48; M.A. Stanford, 50, Ph.D. (polit, sci.), 55. Asst, prof. polit. sci., Stanford, 50, 52; cmnr, Fed. Mediation Serv, 52-58; staff adv. to secy, U.S. Dept. Commerce, 60-62; PROF. POLIT. SCI. & DIN. INST. LABOR RELS, MICHIGAN, 62-U.S.N, 44-46, Lt. Indust. Rels. Res. Ass; Int. Indust. Rels. Res. Na; At. Acad. U.S.N, 44-46, Lt. Indust. Rels. Res. Asn; Int. Indust. Rels. Asn; Nat. Acad. Arbit; Polit. Sci. Asn. Labor relations in steel, railroads and maritime industries; public and professional unionism. Publ: Co-auth, Management preparation for collective bargaining, Dow Jones-Irwin, 66, Labor and American politics, Univ. Michigan, 67 & Adjustment to technological change in American transportation, Northwestern Univ, 70. Address: Dept. Of Political Science, 118 Museums Annex, University of Michigan, Ann Arbert Mich. 430.
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- REICHERT, PROF. WILLIAM O. Political Theory, History of Political Ideas. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- REICHMAN, DR. WALTER, b. New York, N.Y. May 31, 38; m. 67. INDUSTRIAL & EDUCATIONAL PSYCHOLOGY. B.A. City Col. New York, 60, M.B.A., 63; M.A. Columbia, 65, Ed. D. (personnel psychol), 68. Teaching asst. PSYCHOL, City Col. New York, 61-63; res. asst, Horace Mann-Lincoln Inst, Columbia, 63-65; res. assoc, City Univ. Res. & Eval. Unit, 68-69; ASST. PROF, BARUCH COL., CITY UNIV. NEW YORK, 68- Psychol. Asn. Selection of minority groups for College education; career development and occupational choice. Address: Dept. of Psychology, Baruch College of City University of New York, 17 Lexington Ave, New York, N.Y. 1001e.
- REID, PROF. IRA De A(UGUSTINE). Sociology. See 11th ed, Soc. & Behav
- REID, DR. J(OHN) CHRISTOPHER, b. Columbia, Mo, May 19, 37; m. 62; c. 3. EDUCATIONAL PSYCHOLOGY. A.B., Oberlin Col., 58; lowa, 60; M.A., Missouri, 60, Ph.D. (speech), 65. Assoc. dir, off. instr. TV, Missouri, 64-66; asst. prof. ed. & res. asst. ed. res. center & instr. media res. unit, Purdue, 66-68; ASSOC. PROF. ED. & CONSULT. INSTR. RES., MISSOURI-COLUM-BIA, 68. Consult, Nat. Center Sch. & Col. TV, 66; Midwest Prog. Airborne TV Instr., 67-68; Regional Rehab. Res. Inst, Univ. Wisconsin, 68; U.S. Off. Ed., 69-40, Gen., C. 59-65. Ed. Res. Asn; Nat. Coum. Measurement in Ed; Asn. Comput. Mach. Computer applications in instruction; measurement and evaluation. Publ. Co-aucht, Research in instructional television and film, Govt. Printing Off, 67. A Correlational analysis of the effects of learner and linear programming characteristics, U.S. Off. Ed., 568 & Three-mode factor analysis of students perceptions of a university, J. Exp. Ed, fall 69. Address: 409 Jesse Hall, University of Missouri-Columbia, Columbia, Mo. 65201.
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- REID, DR. SUE TITUS. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Sociology, Cornell College, Mount Vernon, Iowa 52314.
- REID, PROF. SYDNEY AUGUSTUS. Political Science, Business Administra-tion. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn, 69-, Dept. of Political Science, Florida A&M University, P.O. Box 29, Tallahassee, Fla. 32307.
- REIDEL, DR. CARL H, b. Chicago, Ill, Mar. 5, 37; m. 61; c. 3. POLITICAL SCIENCE, FORESTRY. B.S., Minnesota, 58, Ph.D. (resource policy), 69; Montana, 62; M.P.A, Harvard, 64. Res. asst, forest surv, U.S. Forest Serv, Montana, 62; M.P.A., Harvard, 64. Res. asst, forest surv, U.S. Forest Serv, 56-57, asst. ranger, 58-60, dist. ranger, 61-63, br. chief pub. info, regional off, 64-65; instr. conserv, Minnesota, 65-69; ASST. PROF. POLLT. SCI. & ASST. DR. CENTER ENVIRON. STUDIES, WILLLAMS COI., 69-Nat. Guard, 59-66, 2nd Lt. Nat. Parks Ass; Soc. Am. Foresters; Polit. Sci. Asn. American forest policy and administration, especially the interorganizational relationships of public natural resources agencies. Publ: Conservation brinkmanship, Am. Forests, 2/68; Organizational practices, In: Organization management in forestry, La. State Univ, 69; Environmental forestry, J. Forestry, 2/70. Address: Center for Environmental Studies, Williams College, Williamstown, Mass. 01267.
- REILLY, PROF. ROBERT R. Educational Psychology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. ed. & psychol, Shippensburg State Col, 69- Address: R.D. 4, Shippensburg, Pa. 17257.

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- REINFELD, DR. WILLIAM. Economics, Administrative Sciences. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Resident economist re-gional transport surv. in Asia, Arthur D. Little, Inc, 69-71. Address: SGV Bldg, Ayala Ave, Makati, Rizal, Philippines.
- REINHARD, DR. GREGOR M, b. Scranton, Pa, Dec. 27, 34; m. 62; c. 2. PO-LITICAL SCIENCE. B.A. Catholic Univ, 60, M.A. 62, Ph.D. (polit, sci), 69. From instr. to asst; prof. POLIT. SCI, Loras Col, 64-68; ASST. PROF. & DIR. DEPT, GANNON COL, 68- U.S.N, 55-57. Polit. Sci. Asn, Int. Studies Asn. International politics; political theory; philosophy. Pub: Political sociology of Frederick Nietzsche, Gen. Polit. Quari, 69. Address: Dept. of Political Science, Gannon College, Eric, Pa. 18501.
- REINHART, DR. MIRIAM M(YRTLE). Speech. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- REINHART, DR. THEODORE RUSSELL, b. Sellersville, Pa, Jan. 24, 38; m. 58; c. 1. ANTHROPOLOGY, B. A, Pa. State, 61; M. A, George Washington, 64; Ph. Qanthrop), New Mexico, 68. ASST. PROF. ANTHROP, COL. WILLIAM & MARY, 68- U.S.A, 55-58. Anthrop. Asn; Soc. Am. Archaeol; Archaeol. Inst. Am. Southwest United States archaeology and ethnology; cultural ecology; culture change; New World prehistory. Publ. The Rio Rancho phase, Am. Antiquity, 67; Late archaic cultures of the middle Rio Grande Valley, New Mexico, Univ. Microfilms, 68. Address: Dept. of Anthropology, College of William & Mary, Williamsburg, Va. 23185.
- REINING, PROF. CONRAD C(OPELAND). Social Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: On leave from Catholic Univ. as secy, Am. Anthrop. Asn, 68-70. Address: 3512 Runnymede Place N.W., Washington, D.C. 20015.
- REINING, DR. PRISCILLA COPELAND. Anthropology. See L-Z Vol., 11th ed, Soc. & Behav. Vols. New position & address: Coordinator, 68-, Cente for the Study of Man, Smithsonian Institution, Washington, D.C. 2056a.
- REIS, DR. WALTER J(OSEPH). Psychiatry, Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Psychiatrist & psycho-analyst, Psychiat. Assocs, 69- Address: 4123 Bigelow Blvd, Pittsburgh, Pa-nalyst, Psychiat. Assocs, 69- Address: 4123 Bigelow Blvd, Pittsburgh, Pa-
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- REISMAN, DR. JOHN M(ARK). Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Psychology, Memphis State University, Memphis, Tenn. 38111.
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- REISS, PROF. IRA L(EQNARD). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. sociol. & dir. family study center, 69-, Dept. of Sociology, University of Minnesota, Minneapolis, Minn.
- REISS, PROF. PAUL J. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also V.pres. acad. affairs, 69-, Fordham University at Lincoln Center, New York, N.Y. 10023.
- REISSMAN, PROF. LEONARD. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address; Chmn, 70-, Dept. of Sociology, Cornell University, Ithaca, N.Y. 14850.
- REITERMAN, DR. CARL, b. Palo Alto, Calif, June 18, 21; m. 64; c. 3. SO-CIOLOGY, DEMOGRAPHY, B.A, California, Berkeley, 50, M.A, 65, Ph.D. (sociol), 68. Instr. SOCIOL, SAN FRANCISCO, 66-68, ASST. PROF, 68-(sociol), 68. Instr. SOCIOL, SAN FRANCISCO, 66-68, ASST. PROF, 68-Lectr, sch. pub. health, California, Berkeley, 67-, mem. faculty, sch. med, California, San Francisco, 70. Int. Union Sci. Study Pop; Sociol. Asn; Pop. Asn. Am. Birth control; population policy; population control; human ecol-ogy; urban sociology and demography. Publ: Birth-control policies and practices in fifty-eight California county welfare departments, Planna ecol-practical and the property of the property of the property of the Parenthood, Alameda County, Calif., 66; co-auth, Population readings, Mac-milian, 70; auth, Birth control and Catholics, J. Sci. Study Relig, 65. Ad-dress: Dept. of Sociology, University of San Francisco, San Francisco, Calif. 94117.
- REITMAN, PROF. WALTER R(ALPH). Psychology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychol. & prof. comput. & commun. sci., University of Michigan, 205 N. Forest Ave, Ann Arbor, Mich.
- REMEC, DR. PETER P. International Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Dept. of Political Science, Fordham College, Rose Hill Campus, Bronx, N.Y. 10458.
- REMEIN, QUENTIN R(OBERT). Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Spec. asst. planning & prog. coord, Off. Asst.

Secy. Health & Sci. Affairs, Dept. Health, Ed. & Welfare, 68- Address: 18 Wynkoop Court, Bethesda, Md. 20034.

REMMERS, DR. H(ERMANN) H(ENRY). Educational Psychology. See 11th ed, Soc. & Behav. Vols, deceased 69.

REMY, DR. JOAN HOLDEN, b. Utica, N.Y., July 3, 24. CLINICAL PSYCHOL-CGY. A.B. Syracuse, 47: Ph.D. (clin. psychol), Adelphi, 60. Asst. soc. work, Adelphi, 50-51; intern clin. psychol, psychiat. inst, sch. med, Maryland, 55-56, asst. med, psychol, 56-58; staff psychologist, NY. State Dept. Ment. Hyg, Marcy State Hosp, 61-63; asst. instr. psychiat. & staff psychologist, NY. Med. Col, 63; STAFF PSYCHOLOGIST, NY. State Dept. Ment. Hyg, Marcy State Hosp, 63-66; Children's Unit. Buffalo State Hosp, NY., 66-68; NY. STATE DEPT. MENT. HYG, MARCY STATE HOSP, 68. Lectr. community & church groups & seminars, St. John Vianney Sem, 65-67; police sci. prog. Mohawk Valley Community Col, 69. Soc. worker, dept. ment. hyg, Pilgrim State Hosp, Brentwood, NY, 50-51; staff psychologist, Metrop. Hosp, NY, 63. Consult, Hagerstown Ment. Health Clin, Md, summer 67. Psychol. Asn. Training of youth rehabilitation personnel; police science; rehabilitation of psychiatric population. Publ. Possessaveness and punishment: one mother-son relationship, Psychiat. Quart. 1/64 & Growth in child and attendant: a program of constructive interaction, Psychiat. Quart. Suppl, Part. 1: 151-161. Address: Marcy State Hospital, Box 44, Marcy, N.Y. 13403.

RENAUD, DR. BERTRAND M, b. Argentat, France, Dec. 28, 39; m. 67; c. 1. ECO-NOMICS. Ingenieur, Nat. Inst. Agron, Paris, 62; M. S., California, Berkeley, 64, Ph.D. (agr. econ), 66. Res. asst. AGR. ECON, California, Berkeley, 63-66; ASST. PROF, HAWAII, 69- U.S.A, 67-68. Economet. Soc; Econ. Asn. Regional and urban economics; econometrics; industrial organization; agricultural economics. Publ: The impact of economic growth on the trade structure of an island economy, Hawaii, 70. Address: 1986 Halekoa Dr, Honolulu, Hawaii 96821.

RENEAU, DR. JOHN. Audiology, Speech Pathology. See Suppl. V to 11th ed, Phys. & Biol. Vols.

RENFER, DR. MARY EMMA F, b. Dallas, Tex, Jan. 23, 14; m. 35; c. 3. PSY-CHOLOGY. B.A, Wheaton Col, 35; Texas, 47; Basel, 58; M.A, Southern Methodist, 59; Ph.D.(psychol), Southern California, 66. Teacher, Tustin Union High Sch, 61-63; ASST. PROF. PSYCHOL. & COUNSR, ORANGE COAST COL, 63- Ed. Res. Asn; Psychol. Asn. Predicting success in the study of descriptive linguistics; personality and need differences between successful and unsuccessful junior college students; adjustment levels of students with and without religious affiliation. Address: 10642 Newport Ave, Santa Ana, Calif. \$2705.

RENNE, DR. R(OLAND) R(OGER). Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & assoc. dean agr. econ, 69-, College of Agriculture, University of Illinois, 305 Mumford Hall, Urbana, Ill. 61801.

RENT, DR. GEORGE SEYMOUR, b. Brockton, Mass, Jan. 29, 43; m 66; c. 1. SOCIOLOGY. B.A, Marietta Col, 64; Ford Found. fel, Delaware, 64-65, M.A, 66; Nat. Delense Ed. Act fel, Fla. State, 67-68, Ph.D. (sociol), 68. ASST. PROF. SOCIOL, Western Carolina, 68-70; CLEMSON, 70- Sociol. Asn. Human ecology of urban areas; stratification; population. Publ: A contemporary migrant group: the Puerto Ricans of Wilmington, Delaware, Univ. Delaware, 66. Address: Dept. of Social Science, Clemson University, Clemson, S.C. 29631.

RENTEL, DR. VICTOR MICHAEL. Psychology, Education. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 70-, Early & Middle Childhood, Ohio State University, Columbus, Ohio 43210.

RESHAUR, DR. KENNETH M. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Political Science. New position & address: Assoc. prof, 69-, Dept. of Political Science, University of Manitoba, Winnipeg 19, Man, Can

RESNICK, DR. JEROME H(OWARD), b. New York, N.Y. Mar. 13, 36; m. 62; c. 2. CLINICAL PSYCHOLOGY. B.A, City Col. New York, 57; M.A, Missouri, 59; U.S. Pub. Health Serv. fels, Syracuse, 59-60, 61-62 & 63-64, Ph.D. (psychol), 64. Asst. prof. PSYCHOL, TEMPLE, 64-69, ASSOC. PROF, 68-Consult. psychologist, Asn. Jewish Children, Phila, 66-; pub. schs, N.J., 67-; Baptist Children's House, Phila, 69- Psychol. Asn. Verbal operant conditioning; anxiety; under-achievement; behavior theory; smoking behavior; delinquency; effects of experimentar-subject similarity on experimental outcome. Publ: The effects of simulus satiation on the overlearned maladaptive response of cigarette smoking, 68 & co-auth, Experimental prevention of underachievement among intelligent impulsive college students, 70, J. Consult. & Clin. Psychol; auth, Effects of switching conditions of threat on high and low anxious subjects midway through verbal conditioning, J. Personality, 70. Address: Dept. of Psychology, Temple University, Philadelphia, Pa. 19122.

RESNIK, DR. HARVEY L(EWIS) P(AUL), b. Buffalo, N.Y., Apr. 6, 30; m. 64. PSYCHIATRY, PSYCHOANALYSIS. B.A, Buffalo, 51; M.D. Columbia, 55; certs. med. hypnosis & marriage counseling, Pennsylvania, 62; cert, group ther, Del. Valley Group Psychother. Inst, 62; cert, psychoanal, Philab Psychoanal. Inst, 67. Assoc. prof. psychiat. & assoc. chmn, SCH. MED, STATE UNIV. N.Y. BUFFALO, 67-68, PROF. PSYCHIAT. & DEP. CHMN, 68-; DIR. PSYCHIAT. E.J. MEYER MEM. HOSP, BUFFALO, 68-, clin. dir, 67-68. Charles W. Burr res. prize, Phila. Gen. Hosp, 56. Consuit, Ment. Health Asn. Southeast. Pa, 65-67; div. spec. ment. health prog. Nat. Inst. Ment. Health, 67-; chief, center studies suicide prev, Nat. Inst. Ment. Health, 69. Med.C, U.S.A.F, 57-59, Capt. AAAS; Am. Med. Asn; Psychiat. Asn; Int. Soc. Criminol; Int. Asn. Suicide Prey; Group Psychother. Asn; N.Y. Acad. Sci. Suicide, including prevention programs, diagnosis and management of suicidal and depressed individuals; criminal sexual offenders, especially pedophiles. Publ: Suicidal behaviors: diagnosis and management, 88 & Treatment of the sexual offender, 70, Little; Observations on marriage counseling; family life and sexual education in medical curricula, In: Marital counseling; psychology, ideology, science, C.C. Thomas, 67. Address: National Institute of Mental Health, 5454 Wisconsin Ave, Chevy Chase, Md. 20015.

RESNIKOFF, DR. HOWARD L. Mathematics, Linguistics. See Suppl. V to 11th ed, Phys. & Biol. Vols.

RETHLINGSHAFER, PROF. D(OROTHY). Psychology. See 11th ed, Soc. & Behav. Vols, deceased 69.

RETTIG, DR. RAYMOND BRUCE, b. Crowell, Tex, Sept. 8, 40; m. 65; c. 2. ECONOMICS. B.A, Montana, 62; M.A, Northwestern, 64; Ph.D.(econ), Washington Geattle), 69: ASST. PROF. AGR. ECON, OREGON STATE, 68-Econ. Asn; Agr. Econ. Asn. Theory of productivity change; regional economic growth; public policy in the marine resource industries; multiple use conflicts in the Coastal Zone. Address: Dept. of Agricultural Economics, Oregon State University, Corvallis, Ore. 97331.

REUTENER, DR. DONALD BALDWIN, JR, b. Cleveland, Ohio, Sept. 11, 38. EXPERIMENTAL PSYCHOLOGY. A.B, Oberlin Col., 60; M.A, Ohio State, 67, Ph.D. (boyschol), 69, ASST. PROF. PSYCHOL, SMITH COL., 69 - U.S.N., 60-63, Lt. Organization and encoding in short-term memory; transfer of the partial reinforcement effect. Address: Dept. of Psychology, Smith College, Northampton, Mass. 01060.

REVIS, DR. JOSEPH S(UMNER). Economics. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New information: Independent econ. & transport consult, 69-, Address: 9905 Woodland Dr, Silver Spring, Md. 20902.

REXROAD, DR. WALLACE WARREN, b. Wewoka, Okla, Dec. 17, 27; m. 56; c. 3. PSYCHOLOGY, SPECIAL EDUCATION. B.A. Oklahoma, 52, M.Ed. 58, Ph.D. (spec. ed), 68. Spec. instr. child develop, Oklahoma, 59-62; asst. prof. PSYCHOL, SOUTHEAST MO. STATE COL. 62-67, ASSOC. PROF. 67-U.S.N., 46-47. AAAS, Psychol. Asst. Coun. Except. Children. College instruction at undergraduate and graduate levels; coordinating program of student volunteers for mental health work; development and testing of instructional techniques and materials. Address: Dept. of Psychology, Southeast Missouri State College, Cape Girardeau, Mo. 63701.

REYNOLDS, DR. CLARK G(ILBERT). Modern American & Military History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

REYNOLDS, DR. DAVID R(EID). Human Geography. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Geography, University of Iowa, Iowa City, Iowa 52240.

REYNOLDS, DR. EDWARD N, b. Oberlin, Ohio, Sept. 18, 39. SOCIAL PSY-CHOLOGY. A.B, Oberlin Col, 62; M.S, Case West. Reserve, 64 & 65, Ph.D. (soc. psychol), 68; Brandeis, 68-69. ASST. PROF. Sociol, Kent State, 67-68; PSYCHOL, BOSTON COL, 68- Res. assoc, Brandeis, 68-69. Psychol. Asn. Humanistic psychology; psychology of ethnic relations. Address: Dept. of Psychology, Boston College, Chestnut Hill, Mass. 02167.

RYNOLDS, DR. HORACE NORTHUP), JR. b. Newark, N.J. Mar. 17, 41; m. 55. EXPERIMENTAL PSYCHOLOGY. B.S. Tutts, 62; M.A. Cornell, 63, Ph.D. (exp. psychol), G. Tutts, 92; M.A. Cornell, 63, Ph.D. (exp. psychol), G. Tutts, 62; M.A. Cornell, 63, Ph.D. (exp. psychol), G. Gold, 65-66; RES. PSY. CHOLOGIST, Aerospace Med. Res. Lab, Wright-Patterson Air Force Base, Ohio, 66-69; C. WERNETE, RES. INST. 69. U.S.A.F., 66-69, Res. 69. Capt. AAAS; Psychol, Asn. Visual perception; human factors engineering; neuropsychology. Publ. Temporal estimation in the perception of occluded motion, Perceptual & Motor Skills, 26: 407-416; co-auth, The effects of color of instrument lighting on absolute and acuity thresholds with exposure to a simulated instrument panel, 39: 1304-1309 & auth, Visual perception beyond the atmosphere, 40: 615-621, Aerospace Med. Address: Cybernetics Research Institute, 2233 Wisconsin Ave. N.W, Washington, D.C. 20007.

REYNOLDS, DR. JOHN BRADLEY. Experimental Psychology, Biomedical Science. See Suppl. V to 11th ed, Phys. & Biol. Vols.

REYNOLDS, DR. RICHARD J(OHN), b. Binghamton, N.Y. Jan. 26, 34; m. 58; c. 3. EDUCATIONAL PSYCHOLOGY. B.A, Harpur Col. 55; M.S.Ed, Elmira Col. 61; Minnesota, 63-64; Ed.D.(ed, psychol), State Univ. N.Y. Albany, 68. Teacher, high schs, N.Y. 55-63; counsr, Mohawk Valley Community Col. 64-65; ASST. PROF. STATIST, Georgia, 67-70; STATE UNIV. N.Y. BINGHAM-TON, 70- Psychol. Asn; Ed. Res. Asn; Nat. Coun. Measurement in Ed. Cognitive development in younger disadvantaged children. Publ: Co-auth, Effects of input on the reading process, 69 & The effect of reading and punctuation conditions upon reading comprehension, 70, 1, Reading Behav, auth, Typology as a moderating variable in success in Science, Psychol. Reports, 70. Address: 130 Leroy St, Binghamton, N.Y. 13905.

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REZLER, DR. AGNES G. Educational Psychology, Counseling. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Sr. assoc, Center Study Med. Ed, Illinois, Chicago, 69- Address: 22W765 Tamarack Dr, Glen Ellyn Woods, III. 60137.

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RHOADS, DR. JAMES BERTON. United States Political History. See 5th ed. Dir. Am. Scholars, Vol. I, Hist.

RHOLL, DR. KEITH NORRIS, b. Lake Mills, Iowa, July 20, 17; m. 44; c. 2. SOCIOLOGY. B.A. Hamline, 49; S.T.B. Boston, 51; Redlands, 53-57; Ph.D. (sociol), Southern California, 68. Youth worker, Morgan Mem. Church of all Nations. Boston, Mass, 47-49; pastor, Parker St. Methodist Church, Laurence, 49-51; S.Rempstead Community Church, N.Y., 51-53; First Congregational Church, Ralito, Calif, 53-58; asst, dir. dept. counseling, Am. Inst. Family Rels, 57-65; ASST. PROF. SOCIOL, WHITTIER COL., 65-; COUNSELOR, PETERSON-GUEDEL FAMILY CENTER, 65- Counselor, 66-65; lectr, Southern California, 63-65. Sociol, Asn, Nat. Coun. Family Rels. Role theory in marriage and family relationships, and in the sociology occupations. Address: Dept. of Sociology, Whittier College, Whittier, Calif. 90008.

RICE, PROF. CHARLES E(DGAR). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychol, Kenyon Col, 69 - New publ: Ed, Behavior & psychology of pinnipeds, Appleton, 68. Address: Dept. of Psychology, Kenyon College, Gambier, Ohio 43022.

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RICE, DR. JAMES A, b. La Grange, Mo, July 16, 28; m. 54; c. 2. PSYCHOL-OGY. M.A. Jowa, 66, Ph.D. (ed. psychol), 67. Sch. psychologist, hosp, sch. lowa, 64-65, res. psychologist, 66-67; ASSOC. PROF. PSYCHOL, HOUSTON, 67- Private practice, Houston, Tex, 67- U.S.A.R, 52-54, 1st Lt. Standardization, reliability and validity for instruments to assess perceptual-motor functioning. Publ. Form equivalence analysis of the revised visual retention test, J. Psychol, 68: 159-163; Right-left discrimination: systematic reversal in bright children, 68 & Condusion in laterality; a validity study with bright and dull children, 69, J. Learning Disabilities. Address: Dept. of Psychology, University of Houston, Incx. 77004.

RICE, DR. LAURA N(ORTH). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 68-, Dept. of Psychology, York University, Toronto 12, Ont, Can.

RICE, DEAN PHILIP M. History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

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RICE, DR. STUART A(RTHUR). Statistics. See 11th ed, Soc. & Behav. Vols, deceased 69.

RICH, DR. MAYNARD L, b. Donovan, III, Apr. 8, 29; m. 53; c. 3. PSYCHOL-OGY, THEOLOGY. B.S. Indiana State, 47, M.S., 54; B.D. Drew, 54, Ph.D. (psychol), 69; Teasa, 58-60; Danforth Found. fel, Columbia, 65. Lab. technician, Morristown Mem. Hosp, 51-54; exec. pastor, Campus Christian Community Church, Southwest Texas State, 54-63; assoc. prof. psychol. & relig, Montclair State Col, 65: 69; prof. psychol, Newark State Col, 69; PROF. PSY-CHOL, CHMN. DEPT. & DIR. COUNSELING CENTER, CATAWBA COL, 69-Secy, Nat. Asn. Col. & Univ. Ministers, 56-62; grants, Danforth Found, 57, 63-65 & Tex. Methodist Student Movement Year of Study, 63-64; Bishop Baker award, 64-65; adj. prof, Hood Theol. Sem, 69- Psychol. Asn. Marriage and family counseling; psychotherapy; group therapy; theology; behavior modification with operant conditioning; existential psychology. Address: Dept. of Psychology, Catawba College, Salisbury, N.C. 28144.

RICH, DR. ROSEMARY, b. Union City, Ohio, Dec. 23, 20. EXPERIMENTAL CHILD PSYCHOLOGY. B.A, Ball State, 42; Johns Hopkins Hosp. Sch. Nursing, 42-45; MA, Chicago, 55; Ph.D. (exp. child psychol), Iowa, 64. Instr. chem. & phys, sch. nursing, Johns Hopkins Hosp, 48-49, head nurse, outpatient dept, 47-48, instr. & suprr. nursing, 49-53; from instr. to asst. prof. NURSING.

col. nursing, Illinois, 55-58; res. assoc, col. nursing, Wayne State, 59-61; asst. prof. FRANCES PAYNE BOLTON SCH. NURSING, CASE WESTERN RESERVE, 64-67, ASSOC. PROF, 67- Consult, nursing staff. Vet. Admin. Hosp, Cleveland, Ohio, 66-; cent. off, Vet. Admin, D.C, 67. Nurse C, U.S. A, 45-47, 1st Lt. Psychol. Asn. Sensory deprivation of hospitalized patients; the use of biotelemetry in the care of patients; incrocirculation in human skin. Publ: Co-auth, Patient rating scale, 62 & Suitability of the subjective stress scale for hospitalized patients, 69. Nursing Res; Suggestions for the care of eye surgery patients who experience reduced sensory input, Appleton, 67. Address: Frances Payne Bolton School of Nursing, Case Western Reserve University, 2121 Abington Rd, Cleveland, Ohio 44106.

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Mgt. Soc. Adv. Mgt. Comparative management: managerial problems and
practices in third world countries and development of managerial resources
in those countries. Publ: Co-auth, Equipment replacement policies among
selected Texas banks, Bur. Bus. Res., Univ. Tex., 60; auth, Development of
managerial resources for industrializing countries, Adv. Mgt. J. 7/65. A
view of Pakistan's industrial development, Asian Survey, 12/65. Address:
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U.S. State Dept, 69-70; consult ed, Random House & Alfred A. Knopf, 67
Econ. Asn, Acad. Mgt, Sociol. Asn. Industrial management; economic de
velopment. Publ: Soviet management: with significant American comparisons, Prentice-Hall, 65; co-auth, International business, Irwin, 66; auth,

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- RO, DR. KONG KYUN, b. Korea, Aug. 31, 32; U.S. citizen; m. 62; c. 2. ECC-NOMICS. B.A, Yale, 57, M.A, 60, Ph.D. (econ), 66; M.B.A, Chicago, 59. Res. assoc, Chicago, 62-64; Blue Cross Ins. Co, Pa, 64-66; vis. asst. prof. ECON, Pittsburgh, 66; res. assoc, Nat. Bur. Econ. Res, 67-69; asst. prof. City Col. New York, 68-69; ASSOC. PROF, CINCINNATI, 69- Korean Marine Corps, 50-54. Econ. Asn. Health economics. Publ. Patient characteristics and hospital use, Med. Care, 7-8-69; cocauth, An output approach to incentive reimbursement for hospitals, Health Serv. Res, fall 69; auth, Factors affecting hospital costs, Hosp. Ed. & Res. Trust, 70. Address: Dept. of Economics, University of Cincinnati, Cincinnati, Ohio 45219.
- ROACH, DR. ARTHUR JAMES, JR. Counseling, Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also head, 69-Dept. of Educational Psychology, College of Education, Texas A&M University, College Station, Tex. 77643.
- ROADY, PROF. THOMAS G(OLMAN), JR. Constitutional Law. See 5th ed. Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- ROBB, DR. JAMES F, b. Portland, Ore, Jan. 12, 33; m. 55; c. 3. BUSINESS ADMINISTRATION, MARKETING. B.S. Oregon State, 54; M.B.A, Washington (Seattle), 57, D.B.A, 61; summer, Ford Faculty Iel, California, Los Angeles. 60. Instr. MKT, Washington (Seattle), 57-60; asst. prof. British Columbia. 60-62; PORTLAND STATE, 62-63, ASSOC. PROF. 63-7 vis. prof. case method course, Harvard, summer 64. U.S.A, 54-56, Res, Maj. Mkt. Asn. Economic forecasting; state industrial development; tourism; marketing information systems; marketing management. Publ. A consumer research study on Washington grown fryers, Wash. State Dept. Agr., 60; co-auth, Business terminations, Bur. Bus. Res, Univ. Wash, 63; ed, Business and economic outlook for 1964, 1965, 1966, 1967, 1968, Portland State Col, 63, 64, 65, 66 & 67. Address: School of Business Administration, Portland State University, P.O. Box 1068, Portland, Ore. 97207.
- ROBBINS, MAJ. CHARLES HOWARD, U.S.A, b. Cleveland, Ohio, Sept. 19, 30; m. 51; c. 3. COMPUTER SCIENCE, ECONOMICS. B.S., Maryland, 62, M.S. 70. U.S. ARMY, 48-, systs. analyst, Univ. Maryland, 61-62, Off. Army Surgeon Gen, 62-63, chief systs. br., 63-67, automatic data processing consult, Vietnam, 67-68, CHIEF COMPUT. SYSTS, OFF. ARMY SURGEON GEN, 66-Asst, Univ. Maryland, 62-63; lectr, North. Va. Community Col., 68- Mem. comput. res. study sect., Nat. Insts. Health, 69-; U.S. Dept. Defense Panel Comput. Aided Design Numeric Control, 69- N.Y. Acad. Sci; Sci. Res. Soc. Am. Computer science; information retrieval; computer assistance to patient care; automated clinical laboratories; management information systems. Publ: Computers and medicine, Asn. Ml. Surgeons, 70; The technical information explosion, Data Processing Mag, 7/65 & The computer as an amplifier of the human intellect, Mil. Med, 9/67. Address: 5206 Cedar Rd, Alexandria, Va. 22309.
- ROBBINS, PROF. HERBERT. Psychology. See L-Z Vol., 11th ed., Soc. & Behav. Vols. New position: Prof. Bronx Community Col. Address: 35 W. 8th St, New York, N.Y. 10024.
- ROBBINS, DR. JAMES E (DWARD). Industrial Psychology, Education. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Mgr. personnel planning & develop, indust. rels. div, plumbing & heating group, American-Standard Inc, 70- Address: 50 Plaza St, Apt. 10-A, Brooklyn, N.Y. 11238.
- ROBBINS, DR. LILLIAN C(UKIER). Social Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Asst. prof. soc. & psychol. found, sch. ed, City Col. New York, 70- Address: 49 E, 96th St, New York, N.Y. 10028.
- ROBBINS, DR. SAMUEL DOWSE. Speech Pathology, Clinical Psychology. See 11th ed, Soc. & Behav. Vols, deceased 68.
- ROBERTS, PROF. EDWARD B(AER). Management. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. Mass. Inst. Tech, 70- Address: 17 Fellsmere Rd, Newton, Mass. 02159.

- ROBERTS, DR. EDWARD GRAHAM, b. Dekalb Co, Ga, May 26, 22; m. 49; c. 3. INFORMATION SCIENCE. B.A, Univ. of the South, 43; B.L.S, Emory, 48; Ph.D. hist), Virginia, 50. Curator manuscripts collectine & dir. C.W. Flowers collection, Duke, 48-52, dir. libraries, Drake, 52-56; dir. regional 1: brary coop, Southeast. Interlibrary Res. Facility, 55-58; library consult, South. Regional Ed. Bd, 58-59; chief sci-tech. library, GA. INST. TECH, 59-61, readers servs, 61-66, ASSOC. DIR. LIBRARY & ASSOC. PROF. INFO. SCI, 66-, asst. prof., 63-65. Summer lectr, library sch, Emory, 60, 62. U.S.A, 63. Soc. Info. Sci; Library Asn. Scientific and engineering bibliography; information flow and user characteristics, especially from viewpoint of optimizing the structure of information sources and their forms. Publ: Southeastern supplement to the union list of serials, South. Regional Ed. Bd, 59; Literature of science and engineering, Ga. Inst. Tech, 66, 2nd ed, 69. Address: 1639 Adelia Place N.E, Atlanta, Ga. 30329.
- ROBERTS, DR. FRED STEPHEN. Combinatorial Mathematics, Mathematical Psychology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- ROBERTS, DR. HIBBERT RICE, b. San Francisco, Calif, July 22, 31; m. 60; c. 2. POLITICAL SCIENCE. A.B. Cornell, 53; A.M. Washington (Seattle), 57; Ph.D. (polit. sci), 67. Asst. prof. POLIT. SCI, Whitman Col, 62-66, ASSOC. PROF, 67-68; ILLINOIS STATE, 68-, ACTING CHMN. DEPT, 69-Hill Found. summer faculty felt, 69. U.S.A.F., 54-55, Capt. Polit. Sci. Assn. Interaction of non-governmental organizations with the United Nations system. Address: Dept. of Political Science, Illinois State University, Normal, III. 61761.
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- ROBERTS, DR. MICHAEL CHARLES. Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, Dept. of Geography, Simon Fraser University, Burnaby 2, B.C, Can.
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- ROBERTS, DR. WARREN A(LDRICH). Economics, Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Lectr, Sonoma State Col, 68- Address: 176 Academy Lane, Sonoma, Call. 95476.
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- ROBERTSON, PROF. JAMES PATRICK SHINNIE, b. Oids, Alta, Oct. 31, 12; m. 37. PSYCHOLOGY. B.A, New Zealand, 33, M.A, 34; B.A, London, 46, Ph.D. (bsychol), 50. Res. psychologist, Netherne Psychiat. Hosp, Coulsoon, Eng., 48-52, head psychol. res. dept, 55-40, chief psychologist, 61-67; PROF. ABNORMAL & PERCEPTUAL PSYCHOL. & PSYCHOL. TESTS, TRENT, 69-B. Brit. Army, 40-46, Sgt. Fel. Brit. Psychol. Soc. Abnormal psychology, especially schizophrenic behavior; perceptual psychology, particularly tactual and pictorial perception. Public Co-auth. A programmed course in psychiatry (12 vols), Documenta Geigy, Eng., 65-68; auth, A study difficulties battery for student nurses, Netherne Hosp, Eng., 69; co-auth, Operant response rates and variability in chronic schizophrenia, Bull. Brit. Psychol. Soc., 65; plus others. Address: Dept. of Psychology, Trent University, Peterborough, Ont, Can.
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- ROBDSON, DR. DONALD EDWARD, b. Austin, Tex, July 14, 36; m. 59; c. 2. PSYCHOACOUSTICS, SENSORY PSYCHOLOGY. A. B. Texas, 57, M.A. 61, Ph.D. (psychol), 63. Statistician, Bur. Census, U.S. Dept. Commerce, 59-60; res. scientist, defense res. lab, Univ. Texas, 60-63; sr. scientist, Tracor, Inc, 63-64; asst. prof. PSYCHOL, INDIANA, BLOOMINGTON, 64-69, ASSOC. PROF, 69 Acoustical Soc. Am. Psychophysical methods. Publ. Co-auth, Effect of varying the interaural noise correlation on the detectability of, tonal signals, 63 & An explanation of masking level differences that result from interaural intensive disparities of noise, (in press), J. Acquestical Soc. Am, Methodology in modern psychoacoustics, In: Foundations of modern auditory theory, Acad. Peress, (in press). Address: Dept. of Psychology, Indiana University, Bloomington, Ind. 47401.
- ROBINSON, DR. ERNEST LEROY, b. Richmond, Va., May 31, 40; m. 64; c. 1. SOCIAL PSYCHOLOGY. B.A, Richmond, 62, M.A, 64; Ph.D. (psychol), Wayne State, 68. ASST. PROF. PSYCHOL, GA. STATE COL, 68. Psychol.

- Asn. Cognitive structure; attitude change; group risk taking. Address: Dept. of Psychology, Georgia State College, 33 Gilmer St, S.E, Atlanta, Ga. 30303.
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- ROBINSON, PROF. HALBERT B(ENEFIEL). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. psychol. & dir, 68-, Developmental Psychology Lab, University of Washington, Seattle, Wash. 98105.
- ROBINSON, DR. JAMES, b. New York, N.Y., Jan. 26, 43. PSYCHOLOGY. B.A, Swarthmore Col, 64; M.A, Southern California, 68, U.S. Pub. Health Serv. fels, 68-69, Ph.D. (psychol), 69. ASST. PROF. PSYCHOL, MT. ST. MARY'S COL. (CALIF), 68- Role of verbal and nonverbal processes in human learning and memory. Address: Dept. of Psychology, Mt. St. Mary's College, 12001 Chalon Rd, Los Angeles, Calif. 90049.
- ROBINSON, DR. JAMES A(RTHUR). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also v.pres. acad. affairs & provost, 69-, Ohio State University, 190 N. Oval Dr., Columbus, Ohio 43210.
- ROBINSON, DR. LEONARD H(ARRISON). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: V.pres. acad. affairs, North Carolina Central, 69- Address: 114 Nelson St, Durham, N.C. 27707.
- ROBINSON, PROF. MARGARET C, b. Astoria, Ore, Nov. 23, 16. CLINICAL PSYCHOLOGY. M.A. Loyola (III), 44, Ph.D. (clin. & exp., psychol), 47. Lectr. psychol, Loyola (III), 46-47. H. Wright Col, 47-46; asst. prof. Maryl-hurst Col, 48-50, assoc. prof, 50-52, prof. & chmn. dept, 52-59; prof. psychol. & deam women, Windsor, 59-637; res. fel. psychol. of personality, Sorbonne, 63-65; PROF. PSYCHOL, MARYLHURST COL, 65- Fulbright res. scholar, Belgium, 55-56; Cultural Fulbright Award, France, 56. Consult, Tektronix, Inc, 65- Dipl. clin. psychol, Am. Bd. Exam. Prfnl. Psychol, 58. AAAS; Psychol. Ass.; Inc. Union Psychol. Sci. Psychology of personality; perceptual research; personality and communication; mental health; developmental psychology. Publ: Creative personality; Sheed, 63; co-auth, Toward the 21st century in higher education, Oregon State Univ, 67; auth, Personality and communication, Proc. Int. Cong. Psychol, Moscow, 66. Address: Box 324, Marylhurst College, Marylhurst, Ore. 97036.
- ROBINSON, DR. MARIE J. Speech, Drama. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- ROBINSON, DR. NANCY L(OU) M(AYER). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Sr. res. assoc, develop. psychol. lab, Washington (Seattle), 69- Address: 5005 N.E. 45th St, Seattle, Wash. 98105.
- ROBINSON, DR. ORMSBEE W(RIGHT). Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 15 Simsbury Rd, West Granby, Conn. 06090.
- ROBINSON, RICHARD G(EORGE). Clinical Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Chief psychologist, Four Winds Hosp, 68-Address: 66 E. 80th St. New York, N.Y. 10021.
- ROBINSON, DR. THOMAS W(EBSTER), b. Milwaukee, Wis, Feb. 9, 35; m. 62; c. 2. INTERNATIONAL RELATIONS. B.A, Carleton Col, 57; M.I.A, Columbia, 59, Ph.D. (int. rels), 69. Instr. govt, Dartmouth Col, 64-65; RES. ANA-LYST, RAND CORP, 65-Vis. lectr, part-time, California, Los Angeles, 68-US.A, 65. Soc. Int. Law; Asn. Adv. Bavie Studies; Polit. Sci. Asn. Asn. Asn. Asian Studies; Int. Studies Asn. Peace Res. Soc. International relations theory; Chinese government politics and foreign policy; Soviet government politics and foreign policy; Soviet government politics and foreign policy; Soviet politics computer applications to social sciences. Publ: Chou En-lal's role in China's cultural revolution, 69, The Sino-Soviet border conflict, 70 & A political biography of Lin Piao, 70, Rand Corp. Address: Rand Corp, 1700 Main St, Santa Monica, Calif. 90406.
- ROBINSON, DR. WILLIS. Educational Psychology, Counseling. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: U.S. International University, Elliott Campus, 8655 E. Pomerado Rd, San Diego, Calif. 92128.
- ROBISON, DR. ROBERT K(ILLIAN). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Asst. dir, grad, prog. pastoral counseling, Iona Col, 69-Address: 151 W. 86th St, New York, N.Y. 10024.
- ROBISON, DR. SOPHIA M(OSES). Sociology, Social Psychology. See 11th ed, Soc. & Behav. Vols, deceased 69.
- ROBOCK, DR. STEFAN H. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Robert D. Calkins prof. int. bus, 69-, Graduate School of Business, Columbia University, New York, N.Y. 10027.
- ROCA, DR. PABLO. Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 235 Sarto Ave, Coral Gables, Fla. 33134.
- ROCHE, DR. GEORGE CHARLES, III. Political Economy, Philosophy. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- ROCHESTER, DR. DEAN EDWARD, b. Chelan, Wash, Nov. 22, 26; m. 52; c. 2. PSYCHOLOGY. B.S., Fla. State, 51, M.S., 52, Ed.D.(counseling), 65. Psychologist, Hillsborough County Sch. Dist, 53-63; asst. prof. COUNSELING, SOUTHERN ILLINOIS, 65-68, ASSOC. PROF, 68- Instr. Tampa,

- 61-63. Ed. Res. Asn; Psychol. Asn; Personnel & Guid. Asn; Asn. Counsr. Ed. & Supv. Counseling and psychotherapy; research and design. Duli: The persistence of attitudes and values of NDEA counselor trainees, J. Counseling Psychol, 11/67 & Responses of phenomenological and Adlerian student on the TCA, J. Counseling Psychol, 11/68; Changes in counselor attitudes relative to teaching experience, In: The School guidance worker, Univ. Toronto, 69. Address: Dept. of Counseling, Southern Illinois University, Edwardsville, Ill. 62025.
- ROCKWAY, DR. MARTY R(OBERT). Experimental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Tech. dir, 69-, Technical Training Division, Air Force Human Resources Lab, Lowry AFB, Colo. 80230.
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- RODGERS, PROF. RAYMOND. Finance. See 11th ed, Soc. & Behav. Vols, deceased 68.
- RODGERS, DR. THEODORE STEPHEN. English Linguistics, Education. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.
- RODIN, DR. TIBOR S. b. Budapest, Hungary, May 10, 34; U.S. citizen; m. 56; c. 3. POLITICAL SCIENCE. B.A. Michigan, 64; M.A. Nebraska, 66, Ph.D. (polit. sci), 69. ASST. PROF. POLIT. SCI, MORNINGSIDE COL, 68- Israel Air Force, 52-54. Polit. Sci. Asn. International and intraregional relations of the Middle East. Address: Dept. of Political Science, Morningside College, Sloux City, Iowa 51106.
- RODNER, DR. KIM, b. Chicago, Ill, Aug. 3, 31; m. 61. SOCIOLOGY, AN-THROPOLOGY. B.A, Mich. State, 56, M.A, 59, Ph.D. (sociol, anthrop), 62; Nat. Woodrow Wilson fel, California, Berkeley, 56-57. Instr. soc. sci. & chmn. dept, Lansing Community Col, 59-63; asst. prof. sociol, Oregon, 63-65; ASSOC. PROF. SOCIOL. & ANTHROP, Parsons Col, 65-67; Carleton Col, 67- Consult, med. sch. Oregon, 65. Mem, Nat. Cmn. Community Health Serv, 64-65. U.S.N. 49-50. Sociol. Ass. Sociological theory; political sociological analysis. Publ: Logical foundations of social change theory, Sociol. & Soc. Res., 4 07. Address: Dept. of Sociology & Anthropology, Carleton College, Northield, Mim. 55057.
- RODRIGUEZ, DR. ALEJANDRO, b. Caracas, Venezuela, Feb. 5, 18; m; c. 1. CHILD PSYCHIATRY, PEDIATRICS. M.D. Venezuela, 41. Instr. psychiat. & pediat, SCH, MED, HOPKINS, 62-63, asst, por, 63-67, ASSOC. PROF. PEDIAT, ASSOC. PROF. CHILD PSYCHIAT, & DIR. DIV. CHILD PSYCHIAT, 67-Consult, Vilia Maria, Cath. Charties, Md, 62-5, bd. consult, Children's Guild, 67- Psychiat. Asn, Orthopsychiat. Asn. Address: Dept. of Pediatrics, Johns Hopkins University, 725 Wolfe St, Baltimore, Md. 21205.
- ROESSLER, PAUL A. Social & Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Coordinator, intergovt. affairs, Bur. of Indian Affairs, U.S. Dept. of Interior, 70- Address: 6731 Greentree Rd, Bethesda, Md. 20034.
- ROETT, DR. RIORDAN J (OSEPH) A (LLENBY), III, b. New York, N.Y, Sept. 10, 38. POLITICAL SCIENCE. A.B. Columbia, 59, M.I.A. 62, Nat. Defense Ed. Act fel, 63-64, Ford Found. fel, 64-66, cert, 67, Ph.D. (polit, sci), 68; Fulbright grant, Brazil, 62-63; univ. fel, Mass. Inst. Tech, 66-67. ASST. PROF. POLIT. SCI, VANDERBILT, 67- Polit. Sci. Asr., Latin Arm. Studies Asn. Int. Studies Asn. Latin American political modernization; political development; international politics. Address: Box 1711, Station B, Vanderbitt University, Nashville, Tenn. 37203.
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- ROGERS, DR. DANIEL CARL, b. Los Angeles, Calif, Sept. 12, 39; m. 65; c. 1. ECONOMICS. B.A. Princeton, 62; univ. trustees fel. & M.A. Yale, 63, Nat. Sci. Found. & Manpower Admin. fels. & Ph.D. (econ), 67. Res. fel. econ, inst. develop. studies, Univ. Col., Nairobi, Kenya, 67-68; ASST. PROF. ECON. & ED. TEACHERS COL., COLUMBIA, 68. Lectr, manpower planning course, Econ. Cmn. for Africa, summer 68. Consult, World Bank Mission to Kenya, 68. World Bank, 69-70. Econ. Asn. Economic development; economics of education and human resources in the development process; manpower and educational planning; economics of population; labor economics. Publ: Private rates of return to education in the United States; a case study, Yale Econ. Essays, spring 69. Address: Dept. of Economics & Education, Teachers College, Columbia University, New York, N.Y. 10027.
- ROGERS, DR. DAVID, b. Boston, Mass, Apr. 17, 30; m. 60; c. 2. SOCIOLOGY, A. B., Harvard, 53, fel, 56-58, Soc. Sci. Res. Coun. fel, 58-59, Ph.D. (sociol), 60; Princeton, 53-54. Asst. prof. sociol, grad. faculities, Columbia, 59-62; ASSOC. PROF. SOCIOL. & MGT, GRAD. SCH. BUS. ADMIN, N.Y. UNIV, 62-Consult, N.Y. Urban Coalition, Human Resources Admin, Los Angeles Urban Coalition on Ed. Sociol. Asn. Politics of school reform in New York City; new urban coalitions as a way toward education reform; politics and administration of inner city manpower programs. Publ.: 110 Livingston Street: politics and adminatory study of inter-organizational relations, U.S. Dept. Labor, 69; co-auth, Sociology and the business establishment, Am. Sociol. Asn. & Russell Sage Found, 70. Address: New York Cityersity Graduate School of Business Administration, 68 Trinity Place, New York, N.Y. 10006.
- ROGERS, DR. DOROTHY. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New publ: Issues in child psychology, 69 & Readings in child psychology, 69, Brooks/Cole; Test manual for issues in adolescent psychology, Appleton, 69. Address: Dept. of Psychology, State University of New York College at Oswego, Oswego, N.Y. 13126.

- ROGERS, PROF. H(ERBERT) F(RANCIS). Religion, Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- ROGERS, DR. JON GUY, b. Kansas City, Kans, Jan. 17, 38; m. 62; c. 2. PSY-CHOLOGY, ADMINISTRATIVE SCIENCE. A.B. Kans. State Teachers Col. 69; M.A., Arkansas, Fayeteville, 63; Nat. Sci. Found. res. fel, Fla. State, 63; Nat. Defense Ed. Act fel, New Mexico, 66-67, Ph.D. (psychol), 67. Asst. prof. psychol, Hendrix Col. 62-65; mem. faculty, Ark. State Teachers Col. 65; mem. human factors staff, Sandia Labs, N.Mex, 66; res. psychologist, Marshall Space Center, NASA, Huntsville, Ala, 67-68; ASST. PROF. PSY. CHOL. ALABAMA, HUNTSVILLE, 68. Mem. adv. planning group human eng. off. adv. res. & tech, NASA flq, 67-68. Consult, Sandia Labs, 66-67; NASA, Huntsville, 66-69. NASA rep. Mgt. Panel Proj. Tektic, 66-69; mem, Tri Serv. Working Group, 66-; mem, State Psychol. Bd. Rehab, Ala, 69-Human Factors Soc. Human learning; information processing; incentive management and human factors applications in aerospace technology. Publ. Man-system locomotion controller criteria for extraterrestrial vehicles, Nat. Conf. Extravehicular Activities, 68; input and output speed components of learning-to-learn, J. Exp. Psychol. & Simulation in development of space hardware, Human Factors Bull, 1/70. Address: Dept. of Psychology, University of Alabama in Huntsville, P.O. Box 1247, Huntsville, Ala, 35607.
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- ROGERS, DR. WILLIAM R(AYMOND) JR. Religion, Psychology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- ROGSTAD, DR. BARRY KENT, b. Winchendon, Mass, Sept. 14, 40; m. 64; c. 1. ECONOMICS. A.B, Clark, 62, M.A, 63; Nat. Sci. Found. fel. & Ph.D.(econ), Brown, 68. SR. ASSOC. ECONOMIST, PLANNING RES. CORP, 68- Econ. Asn. International capital movements and economic growth; application of planning, programming and budgeting systems and management information systems to foreign affairs programming. Address: 12213 Village Square Terr, Rockville, Md. 20052.
- ROHDE, DR. GARY E, b. Neillsville, Wis, Oct. 24, 38; m. 60; c. 2. AGRCULTURAL ECONOMICS, ECONOMICS. B.S. Wis. State, River Falls, 60; M.S. Wisconsin, Madison, 65, Nat. Defense Ed. Art el. & Ph.D.(agr. econ), 66.

 Assure Comparison of the Comparis
- ROHLOFF, DR. ALBERT C(HRISTIAN). Mathematical Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. mkt. anal, 68-, Lever Brothers Co, 390 Park Ave, New York, N.Y. 10022.
- ROHN, DR. ARTHUR H(ENRY), JR. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. & chmn, 70-, Dept. of Anthropology, Wichita State University, Wichita, Kans. 67208.
- ROHRER, PROF. WAYNE C(URRY). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New publ; Black profiles of white Americans, Davis, 70. Address: Dept. of Sociology, Kansas State University, Manhattan, Kans. 66502.
- ROHRLICH, DR. GEORGE F(RIEDRICH). Economics, Government. See L-Z-Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir, 68-, Institute for Social Economics & Policy Research, Temple University, Philadelphia, Pa. 19122.

- ROHRMAN, DR. NICHOLAS LEROY. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 69-, Dept. of Psychology, Florida State University, Tallahassee, Fla. 32306.
- ROHTER, DR. IRA S, b. Chicago, III, Aug. 27, 38; m. 64. POLITICAL SCI-ENCE. B.S, III. Inst. Tech, 60; M.A, Mich. State, 64, Ph.D. (polit. sci), 67. Asst. instr. polit. sci, Mich. State, 63-64, res. assoc. comput. prog, 64; POLIT. SCI, Oregon, 64-65; instr., Wisconsin-Milwaukee, 65-67; vis. asst. prof, California, Berkeley, 67-68; ASST. PROF, HAWAII, 68-Fel, psychol. & polit. prog, Yale, 69-70. Polit. Sci. Assn. Political psychology; research methods and techniques. Publ: The righteous rightists, Trans-Action, 5/67; Social and psychological determinants of radical rightism, In: Learning about politics: studies in political socialization, Random, 70. Address: Dept. of Political Science, University of Hawaii, Honolulu, Hawaii 96822.
- ROLAND, DR. BILLY C, b. Greenville, Tex, Apr. 3, 27; m. 48; c. 3. EXPERIMENTAL PSYCHOLOGY. B.A, Baylor, 52, M.A, 57; Ph.D. (psychol), Houston, 68. Instr. PSYCHOL, EAST TEXAS STATE, 65.66, asst. prof. 66.69, ASSOC. PROF, 69-, Iaculty res. grants, 67-69. U.S.M.C, 45-49, S/8gt. Psychol. Asn. Perceptual processes; psychophysics. Publ: Relationship between GSR, heart rate and reversibility of a necker cube, Perceptual & Motor Skills, 2/70. Address: Dept. of Psychology, East Texas State University, Commerce, Tex. 75428.
- ROLLIN, PROF. A(LBERT) ROBERT. Psychology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: R.R. 3, Box 106, Storrs, Conn. 06268.
- ROLLINGS, DR. JAMES WILLIAM, b. Delphos, Kans, Feb. 6, 33; m. 53; c. 3. COUNSELING, GUIDANCE. B. S. Kans. State Teachers Col. 55; M.A. Missouri-Kansas City & Nat. Defense Ed. Act summer fel, Kansas, 59; Ed.D. (guid), Colorado, 67. Teacher & coach, pub. schs, Kans, 55-57, counsr, 57-60; psychometric consult, div. guid. servs, Colo. Dept. Ed. 60-65, consult. guid, counseling & testing, 65-68; assoc. prof. & dir. bur. ed. measurement, Kans. State Teachers Col, 68-70, ASST. REGIONAL DIR, AM. COL. TESTING PROG, 70- Consult, Ed. Professions Develop. Act, U.S. Off. Ed. 67, Proj. Impact, 68; Midwest States Ed. Info. Proj. Jowa, 67-68. Nat. Coun. Measurement in Ed. Asn. Measurement & Eval. Guid. Development, scoring and processing of testing; intensive group activities; data processing development. Address: American College Testing Program, Suite 515, Capitol Mall, Sacramento, Calif. 95814.
- ROLLINS, DR. JAMES A, b. Gassville, Ark, Sept. 16, 31. PSYCHOLOGY. B.S, Arkansas, 54, M.A, 55; Nat. Defense Ed. Act fel, Boston, 63-64, univ. fel, 64-65, Ed.D.(counseling), 68. Sch. psychologist, Canal Zone Govt, 61-62; counsr, Lonpoc United Sch. Dist, 62-63; admin. asst. pupil personnel, pub. schs, Mass, 64-65; coordinator psychol-ed. clin, Boston Univ, 65-66; counseling psychologist, Rhode Island Col, 66-68; ASSOC. PROF. PSYCHOL, STATE COL. ARK, 68- Summers, ed. counsr, Vandenberg Air Force Base, 63; training supvr, Boston Univ, 64; guest prof, Tennessee, 65. Psychol. Asn; Personnel & Guid. Asn; Asn. Counr. Ed. & Supv; Nat. Voc. Guid. Asn. Counseling effectiveness. Address: Dept. of Psychology, State College of Arkansas, Conway, Ark. 72032.
- ROLLINS, DR. JOAN HELLER, b. New York, N.Y, Feb. 8, 37; div; c. 2. SO-CIAL PSYCHOLOGY. B.A, Goucher Col, 54; M.A, Fordham, 61; Ph.D. (soc. psychol), Oklahoma, 70. Asst. surv. dir, Opinion Res. Corp, 59-60; res. asst. soc. psychol, inst. group rels, Oklahoma, 63-66; ASST. PROF. PSY-CHOL, R.I. COL, 66- Nat. Ed. Asn. Ethnic groups; attitudes; group dynamics. Address: Dept. of Psychology, Rhode Island College, Providence, R.I. 02908.
- ROLLMAN, DR. GARY BERNARD, b. New York, N.Y. Nov. 9, 41; m. 67. EX-PERIMENTAL PSYCROLOGY. A.B. Rochester, 62; M.A., Pemsylvania, 63, Nat. Coun. Combat Blindness fel, 63-65, U.S. Pub. Health Serv. 1el, 64-65, Ph.D. (psychol), 67. Res. asst. PSYCROL, Pensylvania, 62-63, 65-67; Nat. Inst. Ment. Health res. fel, Princeton, 67-69, vis. lectr, 69; ASST. PROF, WESTERN ONTARIO, 69- Nat. Res. Coun. Can. res. grant, 69-; Faculty Soc. Sci. Res. Fund res. grant, 69- AAS, Psychol. Asn, Optical Soc. Am. Sensory psychology, especially the cutaneous senses and vision; psychophysics; perception. Publ: Electrocutaneous stimulation: psychometric functions and temporal interaction, 69 & Detection models; experimental tests with electrocutaneous stimuli, 69, Perception a la mode, Contemporary Psychol, 69. Address: Dept. of Psychology, University of Western Ontario, London, Ont, Can.
- ROLSTON, DR. RODRICK R, b. Sheldon, Iowa, Aug. 7, 31; m. 55; c. 2. SOCIOLOGY. B. A., Manchester Col., 54; B. D. Bethany Sem, 58; M. A., Northern Illnois, 60; Nat. Sci. Found. 1el, Colorado, summer, 62; Ph. D. (sociol.), Iowa State, 66. Teacher, high sch, Ill, 58-50; sociologist, Ill. Training Sch. Boys, 61; instr. sociol. & anthrop, Manchester Col., 61-63; sociol, Iowa State, 64-66; asst. dir. center community res. & develop, Bradley, 66-67, asst. dean continuing ed., 67-68; ASST. PROF. SOCIOL, WIS. STATE, PLATTEVILLE, 68-Dir. community study projs, Ill, 66-68. Consult, Off. Econ. Opportunity Community Action Agency, Peoria, Ill, 66-67; evaluative consult, Ill. Ment. Health Training Lab, 67; consult, school desegregation study team, Peoria, 67-68; Ill. Human Rels. Cmn, 68-69; Grant County Planning Cmn, Wis, 69.

- Sociol. Asri, Nat. Coun. Family Rels. Familial interaction patterns in the human aging process; sociology of community oriented case studies; outline of the development of scientific sociological theory for undergraduates. Adress: Dept. of Sociology & Anthropology, 213 Brigham Hall, Wisconsin State University, Platteville, Wis. 53812.
- ROMACK, DR. REX ALAN, b. Rose Hill, Ill, July 5, 31; m. 67. SCHOOL PSYCHOLOGY. AB, Ill. Col, 55; M.S. Eastern Illinois, 61; Ed.D.(ed. psychol), Nebraska, Lincoln, 67. Student personnel asst, Nebraska, Lincoln, 63-65; asst. prof. ed. & dir. counseling, testing, scholars, financial aids & insth. les., Nebr. Wesleyan, 65-67; assoc. prof. psychol. & assoc. dean students, Northern Arizona, 67-68; dean student personnel serv. Boise State Col, 68-69; ASSOC. PROF. PSYCHOL, NORTHERN IOWA, 69-Psychol. Assoc. Prosonality, student personnel. Address: Dept. of Psychology, University of Northern lowa, Cedar Falls, lowa 50613.
- ROMAN, DR. C(OSTIC). Management. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Ford Foundation, P.O. Box 98, Ramna, Dacca 2. East Pakistan.
- ROMAN, DR. PAUL MICHAEL, b. Gouverneur, N.Y. Nov. 19, 42; m. 69. SO-CIOLOGY, SOCIAL PSYCHIATRY. B.S. Cornell, 64, Ph.D. forgm. behav), 68. Res. assoc. orgn. behav, Cornell, 66-68; ASST. PROF. SOCIOL, Georgia 68-69) TULANE, 69-Assoc. res. consult, Christopher D. Smithers Found, 68-Sociol. Asn; Soc. Study Social Probs; Geront. Soc. Labeling theory of deviance; etiology of alcohol and drug addictions; etiology of schizophrenia: Alcoholics Anonymous; family psychopathology; industrial and community psychiatry; mental health of the aged. Publ. Co-auth, Schizophrenia and the poor, 67 & Deviant drinking and the job, 70, Cornell Univ. Psychiatric sociology, Sci. House, 70. Address: Dept. of Sociology, 21 Newcomb Hall, Tulane University of Louisiana, New Orleans, La. 70118.
- ROMANI, DR. JOHN H(ENRY). Political Science. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: V.chancellor, 69-, University of Wisconsin, Milwaukee, Wis. 5201.
- ROME, DR. BEATRICE K. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- ROME, DR. SYDNEY C. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV. Philos, Relig. & Law.
- ROMOFF, HARVEY M(ICHAEL). Economics, Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Mgr. dept. res, 69-, Canadian Pacific Railway Co, Montreal 3, Que, Can.
- ROMOSER, DR. GEORGE K(ENNETH). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-& chmn, 69-, Dept. of Political Science, University of New Hampshire, Durham, N.H. 03824.
- RONAGHY, DR. HASSEN ALI, b. Fassa, Iran, Dec. 10, 31; m; c. 2. AGRI-CULTURAL ECONOMICS. B.S. Shiraz, 58; M.S. Southern Illinois, 62: Ph.D. (agr. econ), Wisconsin, 69. Inspector, Ministry of Ed. Iran, 56-59, instr. agr, 59-60; ASST. PROF. ECON, YOUNGSTOWN STATE, 69- Iranian Army, 51-53, Lt. Marketing research for major agricultural commodities in Iran. Address: Dept. of Economics, Youngstown State University, 410 Wick Ave. Youngstown, Ohio 44509.
- ROOKS, DR. ILA, b. Carroll Co, Ga, Oct. 6, 20. GUIDANCE & COUNSELING. A.B.Ed, Georgia, 41, M.Ed, 48, Ed.D..human growth & develop, counseling), 57. Teacher, Lavonia Pub. Schs, 41-43; Logarulle High Sch, 43-44; Robert E. Lee Inst, 44-51, chmn. dept, 49-51, counsr, 50-51; instr. ED. FOUND. & COUNSR. ED, GEORGIA, 51-57, ASST. PROF, 58. Nat. ed. Kappa Delta Epstlon Current, 67-70. AAAS; Personnel & Guid. Asn; Asn. Counsr. Ed. & Supv; Nat. Voc. Guid. Asn; Nat. Employment Counsr. Asn: Psychol. Asn: Voc. Asn. Vocational development; teacher education. Publ: Georgia Association of School Counselors code and ethics, Ga. Asn. Sch. Counsrs. 64: ed. Proceedings of first state conference on wocational aspects of counselor education, May 23-24, 1986, Ga. Dept. Ed. 68; auth. Childhood wocational development, Ga. Ed. J, 12/66. Address: Town House Apt. 15, S. Lumpkin St, Athens, Ga. 30601.
- ROOS, DR. LESLIE LEON, JR. Political Science. See L-Z Vol. 11th ed. Soc. & Behav. Vols. Change of address: Dept. of Political Science. Northwestern University, Evanston, Ill. 60201.
- ROOS, DR. NORALOU PRESTON, b. Pomona, Calif, Apr. 21, 42; m. 63; c. 1.
 MANAGEMENT, POLITICAL SCIENCE. A.B, Stanford, 63; Woodrow Wilson
 & Nat. Defense Ed. Act fels. & Ph.D. (polit. sci), Mass. Inst. Tech, 68. ASST
 PROF, polit. sci, Mass. Inst. Tech, 68-69; ORGN, BEHAY, NORTHWESTERN, 70. Polit. Sci. Assn. Organizational behavior; public administration;
 American government; political development. Publ. Co-auth, Secondary
 analysis in developing areas, Pub. Opinion Quart, 67, Students and politics
 in contemporary Turkey, In: Students in revolt, Houghton, 69 & Administrative change in a modernizing society, Admin. Sci. Quart, 70. Address: Dept.
 of Organizational Behavior, Graduate School of Management, Northwestern
 University, Evanston, Ill. 60201.
- ROOS, DR. PHILIP. Experimental Psychology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Exec. dir, Nat. Asn. Retarded Children, 68-Address: 6600 Boulevard E, West New York, N.J. 07093.
- ROOSE, DEAN KENNETH D(AVIS). Economics. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New position: V.pres, Am. Coun. on Ed, 68- Address: 8106 Thoreau Dr, Bethesda, Md. 20034.
- ROOSEVELT, PROF. PAUL HAMILTON, b. Albion, III, Mar. 23, 26; m. 49; c. 2. SPEECH & HEARING. B.S, Eastern Illinois, 50; M.A, Northwestern 52; Ph.D. (speech path), Southern Illinois, 59. Speech therapist, pub. schs, Kansas, III, 50-52; instr. SPEECH PATH, EAST TEXAS STATE, 32-56, asst. prof, 56-60, assoc. prof, 60-64, PROF, 64- U.S.M.C, 44-64, Sgt.

Speech & Hearing Asn. Auditory perception; speech development in retardates; speech discrimination. Address: Speech & Hearing Clinic, East Texas State University, Commerce, Tex. 75428.

ROOT, DR. ROBERT TALLMADGE, b. North Adams, Mass, July 5, 31; m. 58; c. 1. PSYCHOLOGY. A.B. Harvard, 54; M.A. Minnesota, 56; fel, Maryland, 59, Ph.D. (bysychol), 62. Res. asst, Human Resources Res. Off, 56-58; teaching asst. exp. & introd. psychol, Maryland, 58-60; staff psychologist, Dunlap & Assocs, 60-61; proj. dir, U.S. Army Personnel Res. Off, 61-63; er. proj. dir, support systs. res. div, U.S. Army Behav. Systs. Res. Lab, 63-67; staff psychologist, HRB-SNOER, INC. PA, 67-68, BR. MGR, 68- AAAS; Psychol. Asn. Applied visual research; driver behavior; attitude measurement; man-computer interaction. Publ: Sr. auh, Further validation of subjective scales for loudness and brightness by means of cross-modality matching, Am. J. Psychol. 78: 263-269; Man-computer communication in image interpretation, 9: 521-528 & co-auth, A method of rank ordering system design alternatives using an analysis of variance model, 10: 5-10, Human Factors. Address: 637 Wiltshire Dr, State College, Pa. 18801.

ROREM, DR. C(LARENCE) RUFUS. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Independent health consult, 69-Address: 15 Charles St, New York, N.Y. 10014.

RORER, DR. LEONARD G(EORGE), b. Dixon, Ill, Dec. 24, 32; m. 69; c. 2. PSYCHOLOGY. B. A. Swarthmore Col., 54; Ph.D. (psychol), Minnesota, Minneapolis, 63. RES. ASSOC. PSYCHOL., ORE. RES. INST., 62. Adj. asst. prof., Oregon, 66-67; Nat. Insts. Ment. Health spec. res. fel, California, Berkeley, 67-68. Clin. psychologist & consult, Yet. Admin, 68. AAAS; Psychol. Asn; Eugenics Soc; Soc. Multivariate Exp. Psychol. Human judgment and decision making models; personality theory and assessment; classification and treatment of psychopathology. Publ: The great response style myth, 65 & co-auth, An analysis-of variance model for the assessment of configural cue utilization in clinical judgment, 68, Psychol. Bull. & Optimm cutting scores to discriminate groups of unequal size and variance, J. Appl. Psychol, 66. Address: Oregon Research Institute, P.O. Box 3196, Eugene, Ore., 97403.

ROBHOLM, PROF. NIELS, b. Nakskov, Denmark, Apr. 14, 22; U.S. citizen; m. 51; c. 2. ECONOMICS, RESOURCE ECONOMICS. Ph.D. (econ), Minnesota, 49-53, instr., 53-54; asst. prof., RHODE ISLAND, 54-56, assoc. prof. & head dept, 56-57, PROF. FOOD & RESOURCE ECON. & CHMN. DEPT, 57- Mem. rev. group sea grant proj. proposals, Nat. Sci. Found, 68- Agr. Econ. Asn, Nat. Security Indust. Asn; Nat. Planning Asn. Marine economics, particularly economic impact of marine activities in the Coastal Zone. Publ. Economic impact of Narragansett Bay, 63 & co-auth, Economic impact of marine-oriented activities—Southern New England, 67, Univ. Rhode Island & Socio-economic study of Narragansett Bay, Rhode Island, Fed. Water Pollution Control Admin, U.S. Dept. Interior, 69. Address: Dept. of Food & Resource Economics, 128 Woodward Hall, University of Rhode Island, Kingston, R.I. 02881.

ROSANDER, DR. A(RLYN) C(USTER). Mathematical Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Independent consult, 69-Address: 732 Harrington Rd, Rockville, Md. 20852.

ROSCOE, DR. JOHN H. Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 20 Holden Court, Portola Valley, Calif. 94025.

ROSE, DEAN ROBERT EUGENE, b. Vandalia, Mo, Feb. 24, 28; m. 53; c. 2. MARKETING, BUSINESS ADMINISTRATION. B.A, Colo. State Col, 50, M.A, 52; Ph.D.(bus. ed.), towa, 63. Coordinator distributive ed, Arvada High Sch, Colo, 52-53; from instr. to assoc. prof. mkt. & bus. admin, Boise Jr. Col, 53-65; prof. mkt. & chmm. div, Boise Col, 65-66; dean sch. bus. & pub. admin, Boise State Col, 68-70; DEAN SCH. BUS. & ECON. WEBER STATE COL, 70-Nat. Bus. Ed. Asn. Marketing education; teacher training, Publ; Weakness in vocational education for sales and related occupations, Nat. Bus. Ed. Asn. Vearbook, 68; The open door, Balance Sheet, 68. Address: School of Business & Economics, Weber State College, Ogden, Utah 84403.

ROSEBOROUGH, DR. HOWARD E(RNEST). Sociology. See 11th ed, Soc. & Behav. Vols. deceased 69.

ROSEDALE, DR. M(ARILYN) YVONNE, b. Buffalo, N.Y, Feb. 1, 34. SPEECH PATHOLOGY, AUDIOLOGY. B.Sc, Marquette, 56; A.M, Temple, 58; Ph.D. (humanities), 66. ASSOC. PROF. SPECH PATH. & SWAHILI, STATE UNIV. N.Y. COL. GENESEO, 66. Defense fels, Inst. African Studies, Duquesne, 66 & 67. Speech & Hearing Asn. Language disintegration; symbolic functioning in the aging process; remediation of severe language problems in intellectually potentially normal children. Publ: Response to a test for aphasia of an apparently non neurologically damaged geriatric population, Dissertation Abstracts, 66. Address: Dept. of Speech Pathology, State University of New York College at Geneseo, Geneseo, N.Y. 14454.

ROSEN, DR. ALBERT. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Co-dir, White Oak Psychol. Center, 68- Address: 917 S. Belgrade Rd, Silver Spring, Md. 20902.

ROSEN, DR. HARVEYS, b. Cleveland, Ohio, Mar. 5, 42; m. 65; c. 2. ECONOMICS. B.B.A, Western Reserve, 64, Nat. Defense Ed. Act fels, 67-69,
M.A, 67, Ph.D. (econ), Case Western Reserve, 69; California, Berkeley, 6569- Consult, Cent. Nat. Bank, Cleveland, 68-70; N.Am. Lumber Co, 68-;
Sindell, Bourne, Markus, 69- Econ. Asn. Monetary theory: foreign
exchange; internation trade. Publ: Dissertation abstract, Appalachian inst.
Rev., spring 69; Measuring Cleveland's business activity, Cent. Econ. Letter,
7/69; A euco-dollar primer, Cent. Nat. Bank of Cleveland Econ. Letter,
7/69; Address: Dept. of Economics, Cleveland State University, Cleveland,
Ohio 44115.

ROSEN, DR. LAWRENCE, b. Philadelphia, Pa, June 20, 37; m. 62; c. 2. SO-CIOLOGY. B.S, Drexel Inst, 60; M.A, Temple, 63, Ph.D. (sociol), 68. Instr. chem, Drexel Inst, 60-63, lectr. SOCIOL, Temple, 65-67; instr, Smith Col,

67-68, ASST. PROF, 68-69; TEMPLE, 69- Mem. adv. bd. dir, int. Library Surv. Res, 68-69. Sociol. Asn, Soc. Study Social Probs. Crime and delinquency; deviance; methods of research; statistics. Publ: Co-auth, Mate selection in the upper class, Sociol. Quart, spring 66 & An evaluation of the Lander approach to ecology of delinquency, fall 67 & auth, Matriarchy and lower class Negro delinquency, fall 69, Soc. Probs. Address: Dept. of Sociology, Temple University, Philadelphia, Pa. 1912b.

ROSEN, MARTIN M. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Pres, First Wash. Securities Corp, 69- Address: 2115 Paul Spring Rd, Alexandria, Va. 22307.

ROSEN, PROF. SANFORD JAY. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

ROSENAU, DR. NORAH, b. Buenos Aires, Argentina, Dec. 23, 33; U.S. citizen; m. 55; c. 1. PSYCHOLOGY, A.B, Douglass Col, Rutgers, 56; Ph.D. (soc. psychol), N.Y. Univ, 64. Sr. tech. aide soc. psychol, Bell Tel. Labs, N.J. 58-63; res. assoc. guid. ed, upgrading proj, teachers col, Columbia, 64-65; asst. prol. psychol, Newark Col. Arts & Sci, Rutgers, 65-67; RES. & WRITINO, 67- Psychol. Ass. Attitudes and attitude change; personality development; social learning. Publ: Co-auth, Social and cultural foundations of guidance: a sourcebook, Holf, 68; Dissonance or defensiveness?, J. Personality, 64. Address: 3880 Fairlington Dr, Columbus, Ohio 43220.

ROSENBERG, ALLEN B(ERYL), b. Hampton, Va, June 13, 34; m. 58; c. 2. ECONOMICS, LABOR ECONOMICS. B.S, Wilkes Col, 56; M.S, Illinois, Urbana, 57; Utah, 59; Pittsburgh, 62-69. Asst. to dir, Labor Mgt. Citizens Cmt, Wilkes-Barre, Pa, 57; employ. mgr, Bämberger's of N.J. Div, R.H. Macy's, N., 57-62; instr. econ, WEST LIBERTY STATE COL, 62-65, asst. prof. econ. & labor econ, 65-68; ASSOC. PHOF. ECON & LABOR ECON. & HEAD DEPT. ECON, 66 Dir, Proj. AWAKE, 69. Labor-mgt. consult, 62-U.S.A, 58-60. Labor-management relations; regional economics; labor-management consulting. Address: Dept. of Economics, School of Business, West Liberty State College, West Liberty, W.Va. 26074.

ROSENBERG, DEAN GUY LOURIE, b. Moline, Ill., Apr. 3, 35; m. 58. COUN-SELING & VOCATIONAL PSYCHOLOGY. B.S. in Ed., Western Illinois, 57, M.S. in Ed., 60; P.D., Cistudent personnel), lova, 69. Teacher, elem. sch. Ill., 57-58; asst. guid, Western Illinois, 58-59, instr. & head res, Hursh Hall, 60-62; guid. counsr. jr. high sch. Ill., 59-60; placement counsr, lowa, 65-66; ASSOC. PROF. PSYCHOL. & DEAN OF STUDENTS, PERU STATE COL., 66-Mem. develop. proj. cmt. & pres. prog. cmt. on student affairs. Nebr. State Col. Syst, 69-70; v.chmn. adv. cmt, Nebr. Am. Col. Testing Prog., 69- The study of undergraduate academic advising in university settings; factor analytic studies of the Minnesota multiphasic personality inventory using experimentally independent scales. Address: Office of the Dean of Students, Peru State College, Peru, Nebr. 68421.

ROSENBERG, DR. HERBERT H(ARRIS). Political Science, Economic Development. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. off. resources anal, 68-, National Institutes of Health, Room 4031 Bldg. 12-A, 9000 Wisconsin Ave, Bethesda, Md. 20014.

ROSENBERG, DR. J. MITCHELL. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: lectr. polit. sci, New Sch. Soc. Res, 70-New publ: Jerome N. Frank: jurist and philosopher, Philos. Libr, 70. Address: 901 Ave. H, Brooklyn, N.Y. 11230.

ROSENBERG, DR. LEON A(ARON). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Dir. res. Martin Luther King Jr. Parent & Child Center, 68- Address: 900 Samoset Rd, Randallstown, Md. 21133.

ROSENBERG, PROF. LEONARD BOYNE, b. Newark, N.J., July 26, 27; m. 59. POLITICAL SCIENCE & HISTORY, B.S., N.Y. Univ, 48; M.A., Seton Hall, 55; M.A., New Sch. Soc. Res., 60, Ph.D. (polit. sci), 67. Chmn. dept. soc. sci, high sch, N.J., 53-67; PHOF. POLIT. SCI, PATERSON STATE COL., 67-William A. Whitehead award, 67-68; mem. Center Study Democratic Insts. 68-Polit. Sci. Asn. Development of political parties and institutions; study Sci. Polit. Sci. Asn. Development of political parties and institutions; study States Constitution. Publ. The failure of the Socialist Party of America, Rev. Polit, 7/69, A new look at America's first constitution, Int. Rev. Hist. & Polit. Sci., 12/69 & Constitutional supremacy, an early advocate of judicial review, Duquesne Law Rev, 12/69. Address: 3 Elizabeth Court, Maywood, N.J. 07607.

ROSENBERG, LOUIS. Sociology, Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. res. dir. & res. consult, 69-, Canadian Jewish Congress, 493 Sherbrooke St. W, Montreal, Que, Can.

ROSENBERG, DR. MERVIN, b. Bayonne, N.J. Apr. 22, 25; m. 53; c. 5. PSY-CHATRY. B.A., Ohio State, 49; M.D. Manitoba, 55. Private gen, practice, 55-62; res. psychat, Inst. of Living, Hartford, Conn, 62-64, chief res, 64-65, res. psychiatrist, 65-67; med. coordinator, Constitution Plaza, Inc, Travelers Ins. Co, 67-69; private practice psychiat, 69. U.S.A, 43-66. Psychiat. Asn; Am. Med. Acn. The use of computers in medical record keeping with special emphasis on the psychiatric record for use in chinical decision making. Publ: Co-auth, The computer and the clinical decision process, 5: 995-599 & Automation of behavioral observations on hospitalized psychiatric patients, 8: 926-929, Am. J. Psychiat; Attitudes of nursing students toward computers, Nursing Outlook, 7: 44-64. Address: Constitution Plaza, Inc, 1 Constitution Plaza, Hartford, Conn. 06103.

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- RUST, DR. LAURENCE D(eWITT), b. Chicago, Ill, Nov. 9, 33; m. 64; c. 1. PSYCHOBIOLOGY. A. B., California, Santa Barbara, 59; M. A., McGill, 61; Vet. Admin. traineeship, State Univ. N.Y. Buffalo, 63-64, Ph. D., 65. Asst. prof. PSYCHOL, Skidmore Col, 64-66; ASSOC. PROF. STATE UNIV. N. Y. COL. POTSDAM, 66- Res. Found. fel, State Univ. N.Y. Col. Potsdam, 67, 68, grant-in-aid, 68, 69 & 70; summer, Nat. Sci. Found. res. fel, Pa. State, 65. Psychol. consult, Burnt Hills Baliston Lake Sch. Dist, Scotia, N.Y, 66-67. U.S.A., 53-57; Nat. Guard, 59. AAAS; Psychol. Asn. Molecular psychobiology; physiology of cognition; verbal learning. Publ: Changes in bar-pressing performance and heart rate in sleep deprived rats, J. Comp. & Physiol. Psychol, 62; co-auth, Age related retention deficit as a function of learning, J. Am. Geriatic Soc., 64 & Prediction of free recall from a word association measure: a replication, J. Exp. Psychol, 65.
- RUTENBERG, DR. DAVID P(ETER), b. Coventry, Eng. June 8, 40; Can. citizen; m. 63; c. 2. INTERNATIONAL BUSINESS, OPERATIONS RESEARCH. B.A.Sc, Toronto, 61; M. B.A. California, Berkeley, 64, Ph.D. (bus. admin), 67. Res. engr., Chevron Res. Corp., Standard Oil of Calif., 61-63; ASST. PROF. INDUST. ADMIN, CARNEGIE-MELLON UNIV, 67- Consult, Westinghouse Elec. Corp., 68- Inst. Mgt. Sci; Opers. Res. Soc. Am: Economet. Soc; Asn. Ed. Int. Bus. Developing operations research models for planning world wide activities of a multi-national company. Publ: Planning for multi-national wherey, Long Range Planning, 12/69, Organizational archetypes of a multinational company, 2/70 & Maneuvering liquid assets in a multinational company, 8/70, Mgt. Sci. Address: Dept. of Industrial Administration, Carnegie-Mellon University, Pittsburgh, Pa. 15213.

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RYDER, PROF. MEYER S, b. Chicago, Ill, Aug. 3, 08; m. 59; c. 1. INDUSTRIAL RELATIONS, LAW. Ph.B. Chicago, 30; LL.B. John Marshall Law Sch. Chicago, 55. Regional dir, Nat. Labor Rels. Bd, 42-48; gen. counsel, Int. Asn. Machinists, 48-50; pub. mem, Nat. Wage Stabilization Bd, 50-53; PROF. INDUST. RELS, MICHIGAN, 53- Chmn, Gov. Cmn. Pub. Utility Disputes, 55; Gov. Cmn. Hosp. Disputes, 57; Minimum Wage Bd, Puerto Rico, 58; vis. prof., Aston, 66; Netherlands Sch. Econ, 67; Tuskegee Inst. 69. Nat. Acad. Arbit; Indust. Rels. Res. Asn. Collective bargaining and industrial conflict. Publ: Co- auth, Management preparation for collective bargaining, Dow Jones-Irwin, 66; auth, Labor disputes in Holland, Univ. Michigan, 70. Address: Dept. of Industrial Relations, Graduate School of Business Administration, University of Michigan, Ann Arbor, Mich. 48104.

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SADLER, PROF. ALBERT W(ILLIAM). Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

SADOCK, DR. BENJAMIN. Medicine, Psychiatry. See Suppl. V to 11th ed, Phys. & Biol. Vols.

SADOSKY, DR. THOMAS LEE. Industrial Engineering, Human Factors. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

SAENZ, DR. PAUL, b. Silver City, N.Mex, Apr. 1, 42; m. 63; c. 2. POLITICAL SCIENCE, INTERNATIONAL LAW. B. A. Arizona, 64, Ford Found. & Agency Int. Develop, fels, 64-65, M. A. 65, Nat. Sci. Found. & Woodrow Wilson Fels, 65-68, Ph. D. (polit. sci), 88. Instr. POLIT. SCI. Arizona, 64-68; ASST. PROF, NORTH TEXAS STATE, 68-, Faculty Res. Cmt. grants, 68-70. Nat. Sci. Found, grant develop, undergrad. & grad. prog. polit. sci. Auburn Univ. & Fulbright-Hays res-teaching grant, Univ. Monrovia, W.Arica, 68-70. Fel. African Studies Asn., Polit. Sci. Asn., Soc. Int. Law; Acad. Polit. Sci. African studies; international and comparative politics; developing areas. Pub: The developing subordinate African regional system, Prentice-Hall, The evolutionary development of the Pan-African movement, Penguin, & The organization of African unity, Northwestern Univ. (in press). Address: Dept. of Government, North Texas State University, Denton, Tex. 76203.

SACARIN, DR. EDWARD, b. Schenectady, N.Y., Sept. 18, 13; m. 36; c. 1. SO-CIOLOCY, CRIMINOLOCY, B.A., Brooklyn Col. 61, fel, 61-62; Ph.D. (sociol), N.Y. Univ, 66. Lectr, SOCIOL, Brooklyn Col, 62-63; Pratt Inst, 63-64; CITY COL. NEW YORK, 64-66, ASST. PROF, 66-, summer faculty res. grant, 68. Consult, Inst. Sex Res. Soc. Criminol.(v.pres, 68-), Sociol. Asn, Nat. Coun. Crime & Delinquency; Acad. Polit. & Soc. Sci, Soc. Sci. Study Sex. Deviant behavior including sex deviance; crime and delinquency; sex behavior; minority groups. Publ: The anatomy of dirty words, Lyle Stuart, 62; ed, Sex and the contemporary American scene, Ann. Am. Acad. Polit. & Soc. Sci, 68; auth, Odd man in: societies of Deviants, Quadrangle, 69. Address: 57 Lincoln Rd, Brooklyn, N.Y. 11225.

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- SAGESER, PROF. A(DELBERT) BOWER. History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- SAHLSTROM, DR. LOWELL J, b. Onamia, Minn, Oct. 17, 37; m. 59; c. 3. AUDIOLOGY, SPECCH PATRIOLOGY. B.S, St. Cloud State Col, 61; M.A. Mitch. State, 64, Ph.D.(audiol), 67. Speech therapist, Princeton Pub. Scha, Minn, 61-63; asst, speech path, Mich. State, 63-67; ASST. PROF. COMMUN. DISONDERS, WISCONSIN STATE-EAU CLAIRE, 67- Sig.C, U.S.A. Speech & Hearing Asn. Audiology and hearing science; aural rehabilitation. Publ. Objective measurement of factal movements during production of homophenous words, Speech. & Hearing Asn. 11/67. Addiress: Dept. of Speech, Wisconsin State University-Eau Claire, Eau Claire, Wis. 34701.
- SAINSBURY, DR. ROBERT STEPHEN, b. Halifax, N.S., Apr. 16, 43; m. 64. PSYCHOLOGY. B.A. Mt. Allison, 63; M.A., Dalhousle, 65; Ph.D. (psychol), McMaster, 69. Fel, Western, Ontario, 68-69; ASST. PROF. PSYCHOL, CALGARY, 69. Nat. Res. Coun. Can. res. grant, 69-Can. Psychol. Asn. Discrimination learning in human and infrahuman subjects; physiological correlates of behavior. Publ.: Co-auth, Development of stimulus control through differential reinforcement, in: Fundamental issues in associative learning, Dalhousie Univ. 69. Discrimination learning with the disturbed learning, Dalhousie Univ. 69. Discrimination learning with the disturbed pocumpal activity during natural behavior in the guines pig. Physiol. 6 Behav. 70. Address: Dept. of Psychology, University of Calgary, Calgary, Alia. Can.
- ST. CLAIR, DR. ROBERT MILTON, b. Morgantown, W.Va, Nov. 3, 16; m. 41; c. 6. BUSINESS MANAGEMENT, MARKETING. B.S, N.Y. Univ. 47. M.B.A, 50, Ph.D. (mikt. econ), 68. Instr. M.T., sch. commerce, N.Y. Univ. 48-53; asst. prof., Massachusetts, 53-54; lectr., Maine, 56-57; assoc. prof., Col. William & Mary, Norfolk, 57-59; Fairleigh Dickinson, 59-62; lectr. City Col. New York, 64-66. ASSOC. PROF. Babson Inst, 66-67; POINT PARK COL. 67-Mkt. Asn. Soc. Adv. Mgt. Evaluation of a credit card system; marketing organization and structure; comparative marketing systems; methods of applying scientific methods to solution of marketing problems. Publ: An analysis of attitudes and opinions of consumers and retailers using a family type credit card system in the New York City area, Univ. Microfilms, 68. Address: 307 Homer Dr., Pittsburgh, Pa. 15235.
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- SAKAMOTO, DR. ARTHUR. Internal Medicine. See Suppl. V to 11th ed, Phys. & Biol. Vols.
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- Nat. Book Cmt, 67-; app. mem, N.Y. State Ment. Hyg. Coun, 68- U.S. Naval Reserve citation, 47. Fel. AAAS; Psychol. Asn. Construction and validation of fests of achievement in scientific and technical areas; evaluation of multi-media approaches to teaching of physics. Publ: Education in race relations, Relig. Ed., 2/64; Hope outs fear in New Rochelle, Nation's Schs, 2/64; School plant design, Teachers Col. Record, 12/65. Address: New York Institute of Technology, Old Westbury, N.Y. 11564.
- SALTER, ANDREW, b. Waterbury, Conn, May 9, 14; m. 43; c. 2. PSYCHOL-OGY. B.S, N.Y. Univ, 37. Private practice psychol, 41 - AAAS; Pavlovian Soc. N.Am, Asn. Adv. Behav. Ther. Pavlovian psychology and psychotherapy; hypnosis. Publ: What is hypnosis, Richard Smith, 44; Conditioned reflex therapy. Farrar, Straus, 49; co-auth, The conditioning therapies, Holt, 64. Address: 1000 Park Ave, New York, N.Y. 10028.
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- SALWEN, DR. BERT, b. New York, N.Y, Oct. 20, 20; m. 67; c. 2. ANTHRO-POLOGY. B.S.M.E., Columbia, 41; Ph.D.(anthrop), 65. Mem. faculty ANTHROP, Bennington Coi, 62-66; ASSOC. PROF, N.Y. UNIV, 66. Lectr. Sch. Gen. Studies, Columbia, 63-67; contractor, archaeol, survey projs, Nat. Park Serv, 64-68; dir. archaeol, Nat. Sci. Found. Sec. Sci. Training Prog, Brooklyn Inst. Arts & Sci., 67-; curator archaeol, Staten Island Inst. Arts & Sci., 68-; lectr, Willimantic State Coi, summer 62. Anthrop. Asn, Soc. Am. Archaeol; Ethnol. Soc. North American archaeology; theory and method of anthropological archaeology. Publ: The introduction of leather footgear in the Pueblo area, Ethnohistory, Vol., 7, No. 3; Sea Level and archaeology in the Long Island Sound area, Vol., 28, No. 1 & Muskeeta Cove 2: a stratified woodland site on Long Island, Vol. 33, No. 3, Am. Antiquity. Address: R.D. 1, Box 147, Rosendale, N.Y. 12472.
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- SALZMAN, DR. LEON. Psychiatry. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. psychiat. & dir. psychoanal. med, 69-, Tulane University School of Medicine, 1430 Tulane Ave, New Orleans, La. 70112.
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- SALZMANN, DR. ZDENEK, b. Prague, Czech, Oct. 18, 25; U.S. citizen; m. 49; c. 3. ANTHROPOLOGY, LINGUISTICS. Absolutorium, Charles Univ. Prague, 48; M.A., Indiana, Bloomington, 49, Ph.D. (ling), 63. Headmaster & exec. clir, Verde Valley Sch, Artz, 63–56; head anthropp prog. Phillips Exeter & exec. clir, Verde Valley Sch, Artz, 63–56; head anthropp prog. Phillips Exeter 66. Am. Philos. Soc. ros. grants, 50, 52, 61, 62, 63, 68 & 67; NA AMERENT, 68. Am. Philos. Soc. ros. grants, 50, 52, 61, 62, 63, 68 & 67; NA Interest of the still of the study proj. Am. Anthrop. Freiburg, 70; Nat. Sct. Pound, grant & visitor, ling, inst, California, Los Angeles, summer 66. Consult, anthrop. curriculum study proj. Am. Anthrop. Asn, 63–65; consult, ed. anthrop. relicor soc. grants et al. (Ling. Soc. Am; 161. Anthrop. Asn; 61. Soc. Appl. Anthrop; Folklore Soc; Ethnol. Soc; Int. Ling. Asn. Cultural and linguistic anthropology; general and descriptive linguistics; Czech language; ethnography of Czechoslovakia; American Indian linguistics and folklore. Publ: Anthropology, Harcourt, 69; A contribution to the study of value orientations among the Czechs and Slovaks, Res. Reports, Dept. Anthrop, Univ. Mass, 70; series of articles on the Arapaho language, Int. J. Am. Ling, 51- Address: Dept. of Anthropology, University of Massachusetts, Amberst, Mass. 01002.
- SAMLI, DR. A. COSKUN. Marketing, Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. bus. admin, 68-, College of Business, Virginia Polytechnic Institute, Blacksburg, Va. 24061.
- SAM'O, DR. ELIAS, b. Derbaseyeh, Syria, Aug. 24, 37. POLITICAL SCIENCE. B.A, Washington State, 63; M.A, Idaho, 65; Ph.D. (int. rels), American Univ. 67. ASST. PROF. POLIT. SCI, CENTRAL MICHIGAN, 67- Polit Sci. Asn. Mid. East Studies Asn. N.Am; Soc. Int. Develop. International relations; politics of the developing nation: Middle East. Address: Dept. of Political Science, Central Michigan University, Mt. Pleasant, Mich. 48858.
- SAMPLE, DR. TEX S(HERWOOD). Sociology of Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

SAMPLES, ROBERT E. Geology, Science Education. See Suppl. V to 11th ed, Phys. & Biol. Vols.

SAMPSON, DR. PATSY H(ALLOCK). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir. child study center, 69-, Dept. of Psychology, Wellesiey College, Wellesley, Mass. 02181.

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Publ: Aural rehabilitation, Prentice-Hall, 71. Address: Dept. of Speech Communication, State University of New York at Buffalo, 4226 Ridge Lea Rd, Buffalo, N.Y. 14226.

SANDERS, PROF. DONALD H, b. East St. Louis, Ill, Oct. 13, 32; m. 52; c. 3. BUSINESS MANAGEMENT. B B. A. Texas A&M, 59, M. B. A., 81; Ph.D. (mgt), Arkansas, 65. Intern met, Mead Johnson Inst, 61-82; instr. econ, Arkansas, 62-63; asst. prof. MCT, STATISTICS & DATA PROCESSING, Texas, Arlington, 63-65; prof. Memphis State, 65-66; assc. prof. TEXAS CHRISTIAN, 66-68, PROF, 68- Manuscript consult, McGraw-Hill Book Co, 67- Chmn. subject exam. cnt. computers & data processing, Col. Entrance Exam. Ed, New York, NY, 67-69. U.S.A. F, 52-55. Data processing managerial implications of computers and computer usage. Publ: introducing computers to small business, Data Processing Mgt. Asn, 65; Computers in business: an introduction, 68 & Computers and management, 70, McGraw. Address: Dept. of Management, M. J. Neeley School of Business, Texas Christian University, 2800 S. University Dr, Ft. Worth, Tex. 76129.

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State scholar, City Inur., New York, 60-61, 1e, 61, 61-83, M.B.A., 63; Ph.D.,
California, Berkeley, 67. Asst. indust, psychol, Inst. Indust. Rels, California, Berkeley, 63-64, psychol, measurement, 64-65, indust. psychol, 65-67;
ASST. PROF. PSYCHOL, SAN DIEGO STATE COL, 67- Psychol. Asn. Organizational variables, motivation, need satisfaction, attitudes and self-perceived abilities of all levels of management; relationship between such variables as age and organizational acceleration. Publ. Relation between such variables as age and organizational discleration. Publ. Relation between such variables as age and organizational discleration. Publ. Relation between accident incidence and type and level of job, Psychol. Reports, 64; co-auth, Moderating heteroscedasticity, Ed. Psychol. Measurement, 3/67; Evolutionary performance, managerial abilities and change: an exploratory investigation of organizations, J. Appl. Psychol, 68. Address: Dept. of Psychology, San Diego State College, San Diego, Calif. 92115.

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- SANMANN, PROF. MADGE STEWART. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof, Monmouth Col.(III), 68-, vis. prof. sociol, Bradley Univ, 69- Address: 315 S. Fifth St, Monmouth, III. 61462.
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- SAPIRA, DR. JOSEPH DANIEL. Internal Medicine. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- SAPOSS, DAVID J. Economics, Sociology. See 11th ed, Soc. & Behav. Vols, deceased 68.
- SARACHEK, PROF. BERNARD, b. New York, N.Y. Dec. 23, 31; m. 63. AD-MINISTRATION, ORGANIZATION THEORY. B.A, Missouri-Kansas City, 52, M.A, 55; Ph.J. Dusi, Illinois, 62. Asst. prof. mgt, Clark, 69-61; mkt, Detroit, 62-63; econ, Ruigers, 63-65; assoc. prof. mkt, MESOURI-KANSAS CITT, 65-68, PROF. ADMIN, 66-Econ. Assi, Acad. Mgt. Psychological models of administrative behavior of the professional manual control of the professional mass society. Publ. Early Greek concepts of leadership, 3/68 & Elton Mayo's social psychology and human relations, 6/68, Acad. Mgt. 1; co-auth, Management of understanding, In: Communication: general semantics perspectives, Spartan, 69. Address: School of Administration, University of Missouri-Kansas City, Kansas City, Mo. 64110.
- SARAVO, DR. ANNE COBBLE, b. Atlanta, Ga, Feb. 23, 38; m. 58; c. 2. DE-VELOPMENTAL PSYCHOLOGY. B. A., Tex. Tech. Col. 59; M.S., Massachusetts, 64, Ph.D. (psychol), 65. U.S. Pub. Health Serv. fel, 66-67; asst. prof., Antioch Col., 67-68, assoc. prof., 68-69; vis. lectr., Wright State, 68-69; LECTR. ANTELOPE VALLEY COL., 69- Res. assoc. psychol, Fels. Res. Inst., Antioch Col., 66-69. Psychol. Asn; Soc. Res. Child Develop. Discrimination learning; concept formation; cognitive development. Publ: Effect of number of variable dimensions on reversal and nonreversal shifts, J. Comp. & Physiol. Psychol, 61: 93-97; co-auth, Oddity learning and learning sets in children, J. Exp. Child Psychol, 7: 541-552 & Transfer effects in children's oddity learning, Develop. Psychol, 2: 273-282. Address: 6818 Spaatz Dr., Edwards Air Force Base, Calif. 93523.
- SARGENT, DR. LYMAN TOWER. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Chmn, 69-, Dept. of Political Science, University of Missouri at St. Louis, St. Louis, Mo. 63121.
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- Sec Suppl. 17 th the Q. Filys. 2 Biol. 1001.

 SARIOLA, DR. SAKARI, b. Kalajoki, Finland, Apr. 3, 19; U.S. citizen; m. 49; c. 2. SOCIOLOGY. M.A. Helsinki, 46, Ph.D.(sociol), 54; Int. House fel, Chicago, 48-49. Asst. sociologist, dept. econ. & rural life, Interam. Inst. Agr. Sci., Turrialba, Costa Rica, 49-51; head dept. soc. res, Finnish State Liquor Monopoly, Helsinki, Finland, 51-54; sociologist, U.N. Regional & Specialized Agencies, Latin Am. area, 54-60; prof. sociol. & chum. dept. soc. sci., Puerto Rico, Mayaguez, 60-63; prof. SOCIOL, La. State, Baton Rouge, 63-65; ASSOC. PROF, KANSAS, 65- Lectr., Sch. Soc. Sci., Helsinki, 54. Consult, training courses for Latin Am. sociologists, Orgn. Am. States, 55-63; Finnish rep. to WHO seminar on alcohol problems, Copenhagen, 51. Finnish Army, 40-44. Sociol. Asn. Latin American social thought and social structures; alcohol studies. Publ: Drinking patterns in Finnish Lapland, Maalaiskuntien Liiton Kirjapaino, Helsinki, 56; Social class and social mobility in a Costa Rican town, Interam. Inst. Agr. Sci, Turrialba, 54; The process of urbanization in the metropolitan zone of San Jose, Costa Rica, U.N. Tech. Asst. Admin. Report, 58. Address: Dept. of Sociology, University of Kansas, Lawrence, Kans. 66044.
- SARKAR, DR. ASIT K, b. Chittagong, Pakistan, Feb. 17, 40; m. 69. ECO-NOMICS, BUSINESS ADMINISTRATION. B. Com, Dacca, 59, M. Com, 61; M. B. A, Hawaii, 64; fel, Houston, 65-68, Ph.D. (econ), 69. Summer res. asst, East-West Center, Hawaii, 64; ASST. PROF. ECON, TEXAS, ARLINGTON, 68- Econ. Asıŋ, Mkt. Asn. Applied microeconomic analysis; housing market. Address: Dept. of Economics, University of Texas at Arlington, Arlington, Tex. 76010.
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- M.A. Columbia, 62, N.Y. State stipend, 65-86, Ph.D. 69. ASST. PROF. POLIT. SCI, U.S. Mil. Acad, 82-86; DePaul, 66-70; LOYOLA UNIV. CHI-CAGO, 70-Lectr., overseas br, Univ. Md, 87; summers, vis. asset, prof., Northwestern, 64, State Univ. N.Y. Buffalo, 65, consult, prog. African students, 65. U.S.A, 45-48, 51-86, Lt. Col. (Ret). Polit. Sci. Ass.; African Studies Asn. Problems of modernization and development in Southeast Asia and West Africa; causes of revolutionary wars and counter revolutionary strategy and the United States Army response. Publ. Ed. Reading in problems of developing nations, U.S. Mil. Acad, 66; co-auth, Efforts to alter the future: military measures in apartheid and United Nations collective measures, Carnegie Endowment, 3/65. Address: Dept. of Political Science, Loyola University of Chicago, 820 N. Michigan Ave, Chicago, Ill. 60611.
- SARLANIS, KIRIAKO, b. Somersworth, N.H., Mar. 19, 31; m. 55; c. 2. PSY-CHOLOGY. B.A, New Hampshire, 59, M.A, 61. RES. PSYCHOLOGIST, Fed. Aviation Agency, 62-66; U.S. PUB. HEALTH SERY, 66. Alternate mem, subpanel observer characteristics, cmt. fundamentals of visual signaling, U.S. Nat. Tech. Panel of Int. Cmn. on Illum, 69. U.S.N, 51-55. Behavioral capacities and limitations of the human visual apparatus, especially the detection and appreciation of environmental hazards. Publ: Co-auth, A human factors comparison of two data entry keyboards, Nat. Aviation Facilities Exp. Center, Fed. Aviation Agency, 5/65; auth, The detection and recognition of disabled vehicle markers, 67 & A review of the literature on eye illumination and contrast requirements of visual signals, 70, U.S. Pub. Health Serv. Address: 66 Cedar St, East Greenwich, R.1. 02818.
- SARNOFF, PROF. IRVING, b. Brooklyn, N.Y. May 5, 22; m. 46; c. 2. PSY-CHOLOGY. B.A., Brooklyn Col., 46; M.A., Michigan, 49. Ph.D. (psychol), 51. Lectr., psychol, exten, serv., res. assoc, attitude change proj. & ment. hygienist, student health serv, Michigan, 51.54; Fulbright adv. res. scholar psychol, Univ. Col., London, 54.55; asst. prof. Yale, 55.80; prof. soc. work & psychol. & dir. res. center, Western Reserve, 60-62; PROF. PSYCHOL, N.Y. UNIV, 62. Nat. Inst. Ment. Health sr. stipend, 69-70. Sig. C, U.S.A., 43-46. Psychol. Asn. Experimental evaluation of Freudian concepts; personality theory; the social psychology of human alleration and realization; the relationships among social values, social institutions and social behavior. Publ: Personality dynamics and development, Wiley, 62; Society with tears, Citadel, 66. Address: 100 Bleecker St, New York, N.Y. 10012.
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- SASAKI, PROF. KYOHEI. Economics, Econometrics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 68-, Graduate School of Business, Rutgers, The State University, 18 Washington St, Newark, N.J. 07102.
- SASSON, DR. JACK MURAD. Foreign Languages, History. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.
- A.R. LINDBERGH S, b. Portland, Ore, Jan. 6, 28; m. 56; c. 4. PSY-CHATRY, B.S, Utah, 51, M.D, 58, Nat. Inst. Ment. Health grant, 62-64, M.S, 64. Consult, Utah State Prison, 62-64; asst. dir. psychiat. inst, Univ. Maryland, 65-68, assoc. png. 67-68, dir. div. community psychiat, 66-68, ASSOC. PROF. PSYCHLAT, WASHINGTON (SEATTLE), 68-, ASST. DEAN, SCH. MED, 69-, ASSOC. MED. DIR, HARBONVIEW MED. CENTER, 69-psychiatrist-in-chief, 68-69, Proj. dir. Nat. Inst. Ment. Health staffing grant. Inner City Community Ment. Health Center Proj. 87. Consult, outpatient dept, Crownsville State Hosp. Baltimore, Md. 65-68; Nat. Training Lab. Inst. Appl. Behav. Sci, 65-; Nat. Inst. Ment. Health, 69. U.S.A, 46-47, Sgt. Psychiat. Asn, Int. Coun. Group. Psychother. Research aspects of psychotherapy; community mental health; epidemiology and development of health care delivery systems; methodologic approaches to social change. Publ: Coauth, Personally disorders: trait and pattern disturbances, In: Comprehensive textbook of psychiatry, Williams & Wilkins, 67 & From Stum to asylum: a selective process, Ment. Hygiene, 10/68; auth, Epidemiology, in: Progress in community mental health, Grune & Stratton, 69. Address: 5533 S. Holly, Seattle, Wash. 98110.
- SATINDER, DR. K. PAUL. Physiological & Comparative Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- SATZ, PROF. MARTIN A(LLEN). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmm, Dept. of Psychology, Bloomsburg, Pa. 17815.
- SAUER, PROF. WOLFGANG W(ILHELM). Modern History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- SAUL, PROF. FRANK P(HILIP). Physical Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 69-, Dept. of Anatomy, Medical College of Ohio at Toledo, P.O. Box 6190, Toledo, Ohio 43614.
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- SAUNDERS, DR. ROBERT JOHN, b. Barberton, Ohio, Mar. 16, 39; m. 62; c. 4. ECONOMICS. B.S., Witchneberg, 61; Nat. Defense Ed. Act fel, Kentucky, 61-64, Fed. Reserve Bank of Cleveland fel, 64-65, Ph.D.(econ), 65. Asst. lectr. bus. & econ. statist, Kentucky, 63-64; asst. prof. econ. & statist, West Virginia, 65-69, assoc. prof. econ, 68-70, res. assoc., regional res. inst, 65-68, acting dir, 69-70; ASSOC. PROF. ECON. & DIR. CENTER FOR BUS. & ECON. RES. KENT STATE, 70- Consult, Appalachian Regional Cma, 68-69; U.S. Dept. Commerce & Off. Fed-State Rels, W.Va, 69. Econ. Asn; Nat. Tax Asn; Regional Sci. Asn. Urban and regional economics; state and local public finance. Publ: Co-auth, Factors associated with variations in state and local government spending, J. Finance, 9/66; suth, On the interpretation of models explaining cross sectional differences among commercial banks,

- J. Financial & Quant. Anal, 3/69 & Urban area water consumption: analysis and projections, Quart Rev. Econ. & Bus, summer 69. Address: Center f Business & Economic Research, Kent State University, Kent, Ohio 44240.
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- SAUTER, DR. JOHN VERNON, b. Galesburg, Ill, Oct. 10, 41; m. ECONOM-ICS. B.A, Knox Col, 63; M.A, Indiana, 65, Ph.D.(econ), 68. Consult, Maintenance Cost Study, Ind. Hwy. Needs Study, Cole & Williams Eng. Joint Venture, 65-66 & summer 66; Instr. ECON, KNOX COL, 66-67, ASST. PROF, 67-Admin. supvr. Delense Contract Admin. Serv. Region, Chicago, summer, 68. Public finance; transportation; international trade; economic theory. Publ: Financing highway maintenance, Land Econ, 11/67; Wasted highway billions, Knox Alumnus, spring 68. Address: Dept. of Economics & Business Administration, Knox College, Galesburg, Ill. 61401.
- SAVAGE, DR. C. WADE. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
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- SAVAGE, ZACH. Agricultural Economics. See 11th ed, Soc. & Behav. Vols, deceased 68.
- SAVELL, DR. JOEL M, b. New York, N.Y, Jan. 9, 28; m. 58; c. 2. SOCIAL PSYCHOLOGY. B.A, Emory, 49; B.D, Union Theol. Sem, 52; M.A, Ohio, 56; Ph.D. (soc. psychol), Columbia, 65. Methodist chaplain, North Carolina, 52-55; resident counsr, Plorida, 56-66; inst. PSYCHOL, Long Island, 62-65; ASST. PROF, Alfred, 65-68; CATHOLLO UNIV, 68- Basic res. br, U.S. Off. Ed. grant, 65-66; Nat. Inst. Ment. Health res. grant, 68-70. U.S.A, 46-47. AAAS; Psychol. Asn; Sociol. Asn. Effects of being agreed and disagreed with. Publ. 10-a-uth, Private and public conformity after being agreed and disagreed with. Sociometry, 9/69; auth, Generalization of the effects of price agreement and disagreement, J. Personality & Soc. Psychol, 5/70. Address: Dept. of Psychology, Catholic University of America, Washington, D. C. 20017.
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- SAVING, PROF. THOMAS R(OBERT). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. 68-7, Dept. of Economics, Texas A&M University, College Station, Tex. 77843.
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 Lectr. mkt, Franklin & Marshall Col, 65; asst, Pennsylvania, 65-66; lectr.
 BOSTON, 66-67, asst. prof. MKT. & ECON, 67-69, ASSOC. PROF, 69- Consult, Econ. Conserv, 69. Econ. Asn; Acad. Pollt. & Soc. Sci. Industrial organization; antitrust economics. Publ: Dual distribution billis: what are they all about?, Calif. Mgt. Rev, summer 69; IBM—size criterion, Proc.'
 Am. Mkt. Asn, 8/69; Le Franchising en difficulte aux Etats-Unis, Diversification & Innovation, 1-2/70. Address: 85 Sutherland Rd, Space 21, Brook-line, Mass. 02146. line, Mass. 02146.
- SAWYER, DR. HELEN McCLANAHAN. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Political Science, Memphis State University, Memphis, Tenn. 38111.
- SAWYER, DR. ROBERT NEAL, b. Bedford, Iowa, Aug. 8, 38; m. 60; c. 2. PSYCHOLOGY. B.S, Northwest Mo. State Col, 60; M. Ed, Missouri-Columbia, 64; Ed.D. (guid, counseling), Wyoming, 66. Instr.; Ir. high sch, Iowa, 60-

- 61; teacher & counsr, pub. sch, Mo, 61-63; counsr, high sch, 63-64; asst. counseling, Wyoming, 64-66; asst. prof. PSYCHOL, MISSOURI-ROLLA, 66-68, ASSOC. PROF, 68-, CHMN. SECT, 69- Vis. prof, Wyoming, summer 68. Consult, State Div. Ment. Health, Mo, 68; U.S. Dept. Labor, 69- Psychol. Asn; Personnel & Guid. Asn; Asn. Counsr. Ed. & Supy; Asn. Measurement & Eval. Guid; Ed. Res. Asn. Psychometrics; nature of the counseling process; diagnosis of mental retardation; technology in counselor education; philosophical beliefs of engineers; student attrition; clinical syndromes of Viet Nam veterans; attitude measurement. Publ: A reliability study of the French pictoral test of intelligence, J. Ed. Res, 68 & New technology in counselor education, Ed. Tech, 68; co-auth, Specialized study skills and developmental reading and counseling, J. Exp. Ed, 69. Address: Dept. of Psychology, University of Missouri-Rolla, Rolla, Mo. 65401.
- SAWYIER, DR. FAY HORTON. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- SAX, PROF. GILBERT. Educational Psychology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Prof. ed. & psychol, Dept. of Education, University of Washington, Miller Hall, Seattle, Wash. 98105.
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- SAYRE, DR. ROBERT MARION. International Relations, Law. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Am. ambassador to Panama, 69- Address: American Embassy, Panama, Box 2016, Balboa, Canal Zone.
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- SCARROW, DR. HOWARD A(LBERT). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, Dept. of Political Science, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.
- SCHAAR, DR. STUART H. Comparative History. See 5th ed. Dir. Am. Scholars, Vol. I, Hist.
- SCHACHTEL, DR. ERNEST G(EORGE). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 315 W. 106th St, New York, N.Y. 10025.
- SCHACHTER, PROF. GUSTAV. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, Northwestern, 69- Address: 26 Egmont St, Boston, Mass. 02146.
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- SCHAEFFER, DR. BARBARA HECKMAN, b. Dixon, III, Nov. 16, 33; m. 66; c. 1. EXPERIMENTAL PSYCHOLOGY. B.S. Douglass Col, 61; M.Sc. Rutgers, 64, Ph.D. (psychol), 66. Teaching asst. PSYCHOL, Rutgers, 62-66; ASST. PROF, ALBERTA, 66. AAAS; Psychol. Asn. Complex maze learning in rats as a function of early environmental enrichments, strychnine sulphate, and individual differences; discrimination learning in rats and children after various procedural manipulations. Publ: Strychnine and maze behavior: limited effects of varied concentrations and injection times, 66 & Discrimination acquisition and reversal in the rat as a function of the number of negative stimul; 69, J. Comp. & Physiol. Psychol; Varied exposure durations in paired-associate learning in normal and retarded children, Am. J. Ment. Deficiency, 3/66. Address: Dept. of Psychology, University of Alberta, Edmonton, Alta, Can.
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- SCHAEFFER, DR. WENDELL G(ORDON). Political Science, Public Administration. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New information: Chmn. bd. dirs, Govt. Affairs Inst; Herman Brown prof. govt. & chmn. dept, Texas Christian, 69- Address: Dept. of Government, Texas Christian University, Ft. Worth, Tex. 76129.
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- SCHAFFER, DR. BEVERLY KANE, b. Huntingdon, Pa, Aug. 23, 39. ECO-NOMICS. A.B, Wilson Col, 61; fel, Duke, 65-67, Ph.D.(econ), 67. Vis. asst. prof. ECON. Agnes Scott Col, 64; ASST. PROF, Oglethorope, 64-65; EMORY, 65- Econ. Asn. Labor economics. Publ: Experience with supplementary unemployment benefits: a case study of the Atlantic Steel Company, Indust. & Labor Rels. Rev, 10/68. Address: Dept. of Economics, Emory University, Atlanta, Ga. 30322.
- SCHAFFER, DR. ELLIOTT J, b. Amsterdam, N.Y, Dec. 27, 12; m. 53; c. 2. SPEECH PATHOLOGY, AUDIOLOGY. A. B, Pittsburgh, 50, M.S, 51; Ph.D. (speech plath, audiol), Syracuse, 58. Speech clinician, pub. schs, Utica, N.Y, 51-54, Onondaga County schs. 54-59; asst. prof. speech, State Col. Iowa, 59-63; ASSOC. PROF. SPEECH PATH. & AUDIOL, STATE UNIV. NY. COL. FREDONIA, 63 U.S.C.G, 42-45. Speech & Hearing Asn. Stuttering, agreement on loci type, severity; hearing, testing and follow up in public schools. Publ: No speech problem exists in a vacuum, N.Y. State Ed, 55; Part of our Heritage, ASIA, 66. Address: Speech & Hearing Center, State University of New York College at Fredonia, Fredonia, N.Y. 14063.
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- SCHEIBE, DR. KARL EDWARD, b. Belleville, Ill, Mar. 5, 37; m. 61; c. 2. PSYCHOLOGY. B.S, Trinity Col, 59; Ph.D.(psychol), California, Berkely 63. Asst. prof. PSYCHOLO, WESLEYAN, 63-67, ASSOC. PROF, 67- Vis. prof, Univ. Brazil, 66. AAAS; Psychol. Asn. Belief and values; decision theory; social role theory. Publ: Co-auth, College students on chronic words, Behav. Pubs, 69; auth, Beliefs and values, Holt, 70. Address: 11 Long Lane, Middletown, Conn. 04547.
- SCHENSUL, DR. STEPHEN L, b. New York, N.Y., Mar. 3, 42. ANTHROPOLOGY. B.A, Hunter Col, 63; M.A, Minnesota, 65, Ph.D. (anthrop), 69. Res. assoc. anthrop, Makerer Inst. Soc. Res. Uganda, 67-68; URL COMMUNITY RES, COMMUNITY MENT. HEALTH PROG, MED. CENTER, ILL. STATE PSYCHIAT, ABST. PROF. ANTHROP, ILLINOIS, CHICAGO CIRCLE & ASST. PROF. PSYCHIAT, ABRAHAM LINOOLN SCH. MED, 69-Anthrop. Asn; Soc. Appl. Anthrop. Rural and peasant studies in Africa and the United States; urban anthropological research; applied anthropology; methodology; medical and psychological anthropology. Publ: Co-auth, The twilight zone of poverty. J. Human Orgn, spring 68. Address: Illinois State Psychiatric Institute, 1601 W. Taylor St, Chicago, Ill. 60612.
- SCHERER, DR. FREDERIC M. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Dept. of Economics, University of Michigan, Ann Arbor, Mich. 48104.
- SCHERER, DR. ISIDOR WOLFE. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New Information: Free lance consult. Address: 1114 N. Olive Ave, West Palm Beach, Fla. 33401.
- SCHERTZ, DR. LYLE P(AUL), b. El Paso, Ill, Nov. 4, 28; m. 54; c. 6. AGRI-CULTURAL ECONOMICS. B.S. & M.S, Illinois, 53; fel, Minnesota, 60-62, Ph.D (agr. econ), 62. Res. asst, Illinois, 52-53; instr, U.S. Air Force Mgt. Anal. Sch, 53-55, asst. dir. bus. anal. dept, Pllisbury Co, 55-59; agr. economist, For. Agr. Serv. U.S. DEPT. AGR, 62-63, chief competition br, grain & feed div, 63-65, chief int. monetary & trade res. br, Econ. Res. Serv, 65-67, DEP. ADMINSTR, FOR ECON. DEFELOP. SERV, 67- U.S.A.F, 53-55, lst Lt. Agr. Econ. Asn, Econ. Asn, Int. Asn. Agr. Econ, Soc. Int. Develop. Economic development; agricultural policy. Publ: Administrative controls of the feed livestock industry, 62, co-auth, Barriers to international grain trade, 65 & auth, United Kingdom cercal policies 1870-1967, 68, U.S. Dept. Agr. Address: 701 S. Greenbrier St, Arlington, Va. 22204.

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- SCHIAVI, DR. RAUL CONSTANTE. Psychiatry. See Suppl. V to 11th ed, Phys. & Biol. Vols.
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- SCHROCK, DR. NICHOLAS W(ICKHAM), b. Massillon, Ohio, Aug. 17, 39; m. 61. ECONOMICS. B.A, Western Reserve, 61; M.A, San Diego State Col, 63; Carnegie fel, Oregon, 64-65, Ph.D.(econ), 67. Asst. prof. ECON, San Diego State Col, 67-68; vis. asst. prof. COLORADO, 68-69, ASST. PROF. 69-Vis. asst. prof. Oregon, summer 68. U.S.A. F.R., 57-60. Econ. Asr; Finance Asn; Pop. Asn. Am. Theory of asset choice; commodity future trading; economic demography. Publ. Co-auth, White and nonwhite fertility by census tract, Eugenics Quart, 64; auth, Asset choice under uncertainty with borrowing introduced, West. Econ. J. 67. Address: Dept. of Economics, University of Colorado, Boulder, Colo. 80302.
- SCHRODER, DR. DAVID, b. New Albany, Ind, Sept. 2, 42. SOCIOLOGY. B.A, Indiana, 63; Nat. Inst. Ment. Health trainee & M.A, Northwestern, 67, Ph.D. (sociol), 70. DIR. ORGN. RES. PROJ. COMMUNITY MENT. HEALTH PROG, ILL. STATE PSYCHIAT. INST, 68- Sociol. Asn; Soc. Study Social Probs. Sociology of occupations, mental illness, organizations, sex and deviance; social psychology. Publ. Co-auth, Rejection of the mentally ill by mental health professionals, J. Health & Soc. Probs, 68. Address: Organizational Research Project, Community Mental Health Program, Illinois State Psychiatric Institute, 1601 W. Taylor St, Chicago, Ill. 60612.
- SCHROEDER, DR. HAROLD E, b. Detroit, Mich, Oct. 24, 32; m. 59; c. 3. PSYCHOLOGY. B.A, Capital Univ, 52; S.T.M, Andover Newton Theol. Sch, 57; Hamburg, 60-61; Nat. Inst. Ment. Health fel, Pa. State, 65-67, Ph.D. (psychol), 67. Intern, Norfolk State Hosp. & Northeast Ment. Health Center, 67-68; ASST. PROF. PSYCHOL, KENT STATE, 68- Consult, Hawthornden State Hosp, 69- Psychol. Asn. Psychotherapy; behavior modification; social influence. Address: Dept. of Psychology, Kent State University, Kent, Olio 44240.
- SCHROEDER, DR. ROBERT GEORGE, b. San Francisco, Calif, July 21, 29. ECONOMICS, INTERNATIONAL FINANCE. B.A., California, Berkeley, 51, M.A., 53, Ph.D.I.econ), 59. DIR. RES, Am. Savings & Loan Asn, 59-66; Home Savings & Loan Asn, 66-68; CALIF. SAVINGS & LOAN LEAGUE, 68- Consult. economist, Calif. State bept. Savings & Loan, 69-; consult, Nev. Savings & Loan, First West. Savings & Loan & Frontier Fidelity Savings & Loan, 69- Econ. Asn. Economics of the savings and loan industry; related money markets; special studies for individual savings and loans associations and supervisory authorities. Address: 8904 Crescent Dr. Los Angeles, Calif. 90046.
- SCHROEDER, DR. W(ILLIAM) WIDICK. Sociology of Religion, Social Ethics. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- SCHTEN, DR. EDWARD V(ICTOR). Public Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. polit. sci, univ. exten, 59-& dir, 58-, Institute of Governmental Affairs, University of Wisconsin, Madison, Wis. 53706.
- SCHUBERT, DR. DANIEL SVEN PAUL, b. Buffalo, N.Y, Sept. 28, 35; m. 69. PSYCHATRY, PSYCHOLOGY. B.A, Buffalo, 55; M.D, State Univ. N.Y. Buffalo, 65; bh.D. (psychol), Chicago, 69, RES. PSYCHIAT, YALE, 69- U.S.A, 66-69, Maj. Am. Med. Asn; Psychol. Asn. Biological aspects of psychology and psychiatry; normal personality; psychological measurement; psychosomatic medicine; evaluation of therapy. Publ: Arousal seeking as a motivation for volunteering, J. Proj. Tech. & Personality Assessment, 64, Increase in palmar sweat gland activity by heat, Can. J. Physiol. & Pharmacol, 68 &

Simple task rate as a direct function of diurnal S.N.S. predominance, J. Comp. & Physiol. Psychol, 69. Address: Dept. of Psychiatry, Yale University, 333 Cedar St, New Haven, Conn. 06510.

SCHUBERT, DR. HERMAN J(ACOB) P(AUL). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 500 Klein Rd, Buffalo, N.Y. 14221.

SCHUCKERT, DR. ROBERT FREDERICK, b. Caro, Mich, Oct. 3, 23; m. 44; c. 5. HUMAN DEVELOPMENT. B.A., Fla., South. Col., 63; M.A., Fla. State, 64, Ph.D., Child develop, Penyehol), 66. Asst. prof. child develop, Temessee, 66.69; ASSOC. PROF. HUMAN DEVELOP & HEAD DEPT, ALABAMA, 69-U.S.A. A. F., 43-46, 2nd Lt. Psychol. Asn; Soc. Res. Child Develop; Nat. Coun. Family Rel. Sensory perception in children; behavior modification; preschool environmental effects. Publ. Spatial avoidance in albino rats as a function of post-irradiation confinement, J. Genetic Psychol, 68; co-auth, An experimental method of relating variations in teacher participation to measures of child fatigue in preschool & An attempt to modify the musical preferences of pre-school children, J. Ed. Res, 68. Address: 25 Woodland Hills, Tuscalosas, Ala. S5011.

SCHUCKMAN, DR. HAROLD. Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

SCHUERGER, DR. JAMES W, b. Cleveland, Ohio, Feb. 16, 32; m. 60; c. 2. PSYCHOLOGY, EDUCATION. A.B. John Carroll, 59; M.Ed, Kent State, 64, Ph.D. (counseling, measurement), 67. Dir. guld, Gilmour Acad, 64-68; RES. ASST. PROF. PSYCHOL, ILLINOIS, URBANA, 68- Lectr, Case West. Reserve, 67-66; res. proj. dir. Inst. Personality & Ability Testing, 68-70. Psychol. Asn; Ed. Res. Asn. Multivariate behavioral research; personality assessment; human abilities. Publi: Counseling for college choice, Peacock, 70; co-auth, The validity for ninth grade achievement of the SSAT and other admission criteria at a private secondary school; Ed. Psychol. Measurement, summer 67 & Objective-analytic personality factors as correlates of school achievement, Personality: an Int. J, 5/70. Address: 907 S. Sixth St, Champaign, Ill. 61801.

SCHUERMAN, DR. JOHN R, b. Scottsbluff, Nebr, Feb. 27, 38; m. 65; c. 2. SOCIAL WORK. S.B. Chicago, 60, A.M. 63, Ph.D. (soc. work), 70. Soc. worker, III. State Psychiat. Inst. 63-65; ASST. PROF. SOC. WORK, CHICAGO, 68-, CONSULT, CENTER STUDY CRIMINAL JUSTICE, LAW SCH, 69- Nat. Asn. Soc. Workers; Coun. Soc. Work Ed. Family interaction; psychiatric rehabilitation; methods of research in social welfare. Publ; Co-auth, Changes in social functioning of hospitalized psychiatric patients, Soc. Serv. Rev, 12/67. Address: School of Social Service Administration, University of Chicago, 969 E. 60th, Chicago, III. 60637.

SCHUFLETOWSKI, DR. FRANK WALTER, b. Havre, Mont, Jan. 24, 40; m. 60;
c. 2. HIGHER EDUCATION, SCCIO-PSYCHOLOGICAL MEASUREMENT &
RESEARCH. B.A, Southwest Christian Sem, 60, Th.M, 61; M.A, Arizona
State, 62; Ph.D. (Ingher ed, sociol), Washington State, 65. Asst. prof. ED.
RES, Idaho State, 65-66; KANSAS, 66-68, ASSOC. PROF, 69-Statist. Asn,
Ed. Res. Asn. Problems of eliminating errors in psychological measurements; difficulties of precise communications; research pertaining to colleges and universities. Publ: Co-auth, Notes for introduction to education:
a student guide, William Brown, 66; auth, Are college women satisfied with
their equality and freedom?, J. Col. Student Personnel, 3/67; co-auth, The
questionable foreign student, Sch. & Society, 4/13/68. Address: 1910 Miller
Dr., Lawrence, Kans. 66044.

SCHUL, DR. NORMAN WILLARD. Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Chmn. div. soc. & behav. sci, North Carolina, Charlotte, 68-, por, geog, 69-, dir. inst. urban studies & community serv, 70- Address: Division of Social & Behavioral Sciences, University of North Carolina at Charlotte, Charlotte, N.C. 28205.

SCHULBERG, DR. HERBERT C(HARLES). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. dir, United Community Serv, 69- Address: Dept. of Psychiatry, Harvard Medical School, 58 Fenwood Rd, Boston, Mass. 02115.

SCHULMAN, DR. ABBOTT JAY. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1108 Ridgecrest Rd, Richmond, Va. 23219.

SCHULMAN, DR. ALLAN H, b. Philadelphia, Pa, Apr. 26, 42. PSYCHOLOGY. B.A, Temple, 64; M.S. Pa. State, 66, Ph.D. (psychol), 69. Res. asst. animal behav, Pa. State, 64-69; ASST. PROF. PSYCHOL. VA. POLYTECH, 69-Animal Behav. Soc; Int. Soc. Develop. Psychobiol. Comparative psychology; physiological correlates of social behavior imprinting. Publi: Co-auth, Characteristics of visual stimuli for initial approach response in neonatal chicks, 66 & auth, Imprinting training effects on hyperstriatal EEG and on heartrate variability in young chicks and turkeys, 69, Am. Zoologist. Address: Dept. of Psychology, Virginia Polytechnic Institute, Blacksburg, Va. 24061.

SCHULMAN, DR. IRWIN J, b. Feb. 18, 32; U.S. citizen; m. 53; c. 3. POLITICAL SCIENCE, CHINESE STUDIES. A.B., Chicago, 51, A.M., 54; Ford Found, fel, Harvard, 57-58 & Acad. Sinica, 58-59; Ph.D.(govt), Columbia, 67. Instr. POLIT. SCI, PITTSBURCH, 60-67, ASST. PNCF, 67- Fulbright-Hays res. fel, 68-69. Polit. Sci. Asn; Asn. Asian Studies. Chinese politics, particularly Maoism; peasant movements. Address: Dept. of Political Science, University of Pittsburgh, Pittsburgh, Pa. 15213.

SCHULTE, SISTER M. YOLANDE, O.S.F, b. St. Croix Falls, Wis, Mar. 12, 09. ECONOMICS, POLITICAL SCIENCE. B.A, Col. St. Tereas, 31; Theorem, Minnesota, 39; M.A, Catholic Univ, 40, Ph.D. (econ), 46; summer, Fribourg, Switz, 50. PROF. ECON. & SOC. SCI. COL. ST. TERESA (MIRN), 42– Econ. Asn. Labor and industrial relations; money and banking; consumer problems. Publ: Trends in the use of checks, 1900–1940; Wage theories before certain industry committees of the Wage and Hour Admin-

istration; Some economic and ethical aspects of protective legislation for the consumer, Rev. Soc. Econ. Address: Dept. of Economics & Social Science, College of St. Teresa, Winnon, Minn. 55987.

SCHULTZ, PROF. DUANE P(HILIP). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Prof. North Carolina, Charlotte, 69-; on leave as vis. prof. Univ. Groningen, 70- Address: 400 McAlway Rd, Charlotte, N.C. 28211.

SCHULZ, DR. DAVID A. Sociology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. sociol. & sr. sociologist, 70-, Division of Urban Affairs, University of Delaware, Raub Hall, Newark, Del. 19711.

SCHULZ, DR. JAMES H, b. Abington, Pa, July 20, 36; m. 58; c. 2. ECONOM-ICS. B.A, Miami (Ohio), 58; Ph.D.(econ), Yale, 66. Asst. prof. econ, New Hampshire, 65-67; bett, Tehran, 67-68; ASSOC. PROF, New Hampshire, 68-70; WELFARE ECON, BRANDEIS, 70. Consult, U.S. Soc. Security Admin, 67; U.S. Senate Spec. Cmt. Aging, 69-70; Am. Asn. Retired Persons, 69-U.S.N, 58-61, Lt.(gl). Econ. Asn; Geront. Soc. Public finance; social welfare; economics of aging. Publ: The economics status of the aged in 1980, Soc. Security Admin, 68; Pirvate pensions—their effects on the economics of aging, U.S. Senate Spec. Cmt. Aging, 70; A dynamic social security system for the U.S, Int. Soc. Security Rev, 70. Address: Florence Heller Graduate School, Brandeis University, Waltham, Mass. 02154.

SCHULZ, DR. PETER, b. Berlin, Germany, Dec. 16, 35; U.S. citizen; m. 62; c. 2. GEOGRAPHY. B.S. Shippensburg State Col, 65; M.A. Illinois State, 66; Ph.D. (geoglo, Illinois, 70. ASST. PROF, GEOG, CINCINNATI, 70- U.S.A.F. 58-62. Asn. Am. Geog; Soc. Photogram. Political and urban geography; viability studies; central and eastern Europe; remote sensing of the environment. Address: Dept. of Geography, University of Cincinnati, Cincinnati, Ohio 45221.

SCHULZ, RUSSEL E, b. Okemos, Mich, June 18, 29. EXPERIMENTAL PSYCHOLOGY. B.A, Mich. State, 56, M.A, 58. RES. SCIENTIST, HumRRO, 58- U.S.A, 49-52, 5/8gt. Asn. Aviation Psychol. Military training psychology; task analysis; human factors research. Publ: Co-auth, A preliminary investigation of techniques for constructing a training war game model which minimizes the time needed for umpire functions, HumRRO, 12/61; Job activities and training for selected aviation maintenance personnel. Appendix I, In: Board of inquiry report on the army logistics system, HumRRO Consult. Report, 5/65; The effect of time on spontaneous alternation in the rat, J. Genetic Psychol, 89: 11-25. Address: 1112 Holiday Lane, Ozark, Ala. 36360.

SCHULZE, DR. ROLF HEINZ KURT. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 69-, Dept. of Sociology, San Diego State College, San Diego, Calif. 92115.

SCHUMAIER, DR. C. P(ETER). Agricultural Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Transportation economist, 70-, Office of the Secretary, U.S. Dept. of Transportation, Washington, D.C. 20590.

SCHUPACK, PROF. MARK B(ARRY). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmm, 69-, Dept. of Economics, Brown University, Providence, R.I. 02912.

SCHUPPER, DR. FABIAN X(ERXES). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Chief psychologist, 70-, Roosevelt Hospital, 428 W. 59th St, New York, N.Y. 10019.

SCHURMAN, DR. DONALD L, b. Big Spring, Tex, June 16, 38; div; c. 4. PSY-CHOLOGY. A.B, Texas, Arlington, 65; Nat. Defense Ed. Act fel, Illinois, 65-68; Ph.D.(nysychol), 70. ASST. PROF. PSYCHOL, EMORY, 69. Perception and psychophysics, especially visual processes and behavioral effects of intense magnetic fields. Publ: Co-auth, Choice reaction time as a function of response uncertainty, stimulus uncertainty, and behavioral hypotheses, 67 & Masking phenomena and time-intensity reciprocity for form, 68, J. Exp. Psychol; Summation and interaction of successive and simultaneous stimuli in visual perception, Am. J. Psychol, 69. Address: Dept. of Psychology, Emory University, Atlanta, Ga. 30322.

SCHUSTER, DEAN LOUIS HOWARD, b. West Haven, Conn, July 25, 09; m. 42; c. 2. BUSINESS ADMINISTRATION, MANAGEMENT. B.S. Onto State, 33, M.B.A. 40, South, Fels. award & Ph.D. (mgt, bus. ed.), 56. Instr. econ, Livingstone Col, 34-37; teacher, high sch, Ohio, 37-40; instr. bus. admin, Va. State Col, 40-58, assoc. prof. bus. admin. & chmn. dui, bus. 50-58; prof. & dir. div. bus, Tennessee State, 58-63; prof. bus. admin, Chana, 63-64; N.Y. Univ. at Univ. at Univ. Lagos, 64-66; DEAN FACULTY, MATTATUCK COMUNITY COL, 67- Small Bus. Admin. res. grant, 62-63; Ford Found. fel, Indiana, 63; Ford Found. summer fel, 62. Consult, Agency Int. Develop, U.S. Dept. State & N.Y. Univ. Nigerian Proj. 64. Mem, President's Cmt. Export Expansion, 64. Econ. Asn. Case studies research of black business; problems involving urban black business groups. Publ: Business enterprises of Negroes in Tennessee, Small Bus. Admin, 64. Address: Mattatuck Community College, 405 Highland Ave, Waterbury, Conn. 06708.

SCHUTZ, DR. ROBERT R(UDOLPH). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Ed-in-chief, Annual Reviews, Inc, 69- Address: 3587 La Mata Way, Palo Alto, Calif. 94306.

SCHVANEVELDT, DR. ROGER W(AYNE), b. Logan, Utah, Apr. 11, 41; m. 59; c. 1. EXPERIMENTAL PSYCHOLOGY. B. A. & Nat. Insts. Health (el, Utah, 63; M.S. Wisconsin, 65; b. Dh. (bsychol), 67. ASST. PROF. PSYCHOL, STATE UNIV, N.Y. STONY BROOK, 67- Summers, State Univ. N.Y. faculty fels, 68 & 69; grant-in-aid, 69-70. Psychol. Asn. Human information processing; perception of meaning; simultaneous task performance; information coding. Address: Dept. of Psychology, State University of New York at Stony Brook, N.Y. 11790.

- SCHWAB, DR. PETER, b. New York, N.Y. Nov. 15, 40. POLITICAL SCI-ENCE. B.A. Fairleigh Dickinson, 62; M.A. New Sch. Soc. Res, 66, Ph.D. (polit. sci), 69. Vol. Peace Corps, Liberia, W.Africa, 62-64; instr. hist, Fairleigh Dickinson, 64-66; ASST. PROF. POLIT. SCI, ADELPHI, 66- New Sch. Soc. Res. scholar, 66; adj. asst. prof. coop. col. center, State Univ. N.Y. 69-; summers, Fubright-Hays grant, Africa, 67, humanities grant, Adelphi, 68. African Studies Asn. Analysing the political system in Ethiopia; study of Greece under the present military junta; Gambian politics. Publ: The Ethiopian Tax Structure, 2/68 & Selected bibliography on Ethiopia; politics and economics, 10/69, E.Africa, 3; The agricultural income tax and the changing role of parliament in Ethiopia, Geneva-Africa, Vol. VIII, No. 1. Address: Dept. of Political Science, Adelphi University, Garden City, N.Y. 11530.
- SCHWARTZ, BELLA. Economics. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New information: No longer with U.S. Dept. Labor. Address: 2222 Eye St. N.W., Apt. 601, Washington, D.C. 20037.
- SCHWARTZ, DR. CAROL HALDERT, b. New York, N.Y. Apr. 15, 39; m. 58; c. 3. ECONOMICS. B.A. N.Y. Univ, 59; Ph.D. (econ.), Columbia, 63. Res. asst, Nat. Bur. Econ. Res. 60-62; LECTR. ECON, Brooklyn Col., 63-69; HOFSTRA, 70- Econ. Asst, Econ. Hist. Asst, Bus. Hist. Soc. Economic history; retail trade; consumer economics. Publ.: Benjamin Rushmore, store-keeper, Babylon, N.Y. 1614-1819, J. L.I. Hist, fall 64. Address: 572 Patterson St. East Meadow, N.Y. 11554.
- SCHWARTZ, PROF. DAVID J, JR, b. Berne, Ind, Mar. 23, 27; m. 50; c. 1.

 MARKETING, MANAGEMENT. B.S, Nebraska, 48; M.B.A, Ohio State, 49,
 Ph.D. bus), 53. Instr. BUS, Miss. State, 49-51; Ohio State, 51-55; asst.
 prof, Wayne State, 53-56; assoc. prof, GeORGIA STATE, 56-59, PROF, 59CO-dir, Supvry. Mgt. Seminar; mem, Uniform Consumer Credit Code Study
 Cmt, Ga. Publ: The magic of thinking big, 59 & The magic of psychic power,
 65, Prentice-Hall; co-auth, American business: an introduction, Harcourt,
 1st ed, 64, 2nd ed, 70. Address: Dept of Business, Georgia State University, 33 Gilmer St. S.E, Atlanta, Ga. 30303.
- SCHWARTZ, DR. EDWARD. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. res. reports staff, 69-, National Center for Health Services Research & Development, 4040 N. Fairfax Dr, Arlington, Va. 22203.
- SCHWARTZ, DR. FRED. Clinical & Experimental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Head sect. psychol, div. psychiat, Monteflore Hosp. & Med. Center, New York, 68- Address: 1 Fawn Lane, Suffern, N.Y. 10901.
- SCHWARTZ, DR. HARRY S(WEITCHER). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: V.pres. & economist, Fed. Nat. Mortgage Asn, Wash, D.C, 69-Address: 8309 Loring Dr, Bethesda, Md. 20034.
- SCHWARTZ, DR. LEONARD J(ULES). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Dir, Inst. Sensitivity Training & Ed. Prog, 68-; consult. Nyandanch Col. Center, 69- Address: 140 S. Windsor Ave, Brightwaters, N.Y. 11718.
- SCHWARTZ, SISTER M. CHRISTINA, I.H.M. Sociology. See CHRISTINA (SCHWARTZ), SISTER M. I.H.M., this Suppl.
- SCHWARTZ, DR. MILDRED A(NNE). Sociology. See L-Z Vol, 11th ed, Soc & Behav. Vols. New position: Prof, 69-, Dept. of Sociology, University of Illinois at Chicago Circle, Chicago, Ill. 60660.
- SCHWARTZ, DR. MORTON, b. New York, N.Y, May 12, 31; m. 60; c. 2. PO-LITICAL SCIENCE. B.A, City Col. New York, 52; M.I.A, Columbia, 54; Ph.D. (polit) s.ci), 63. Lett. POLIT. SCI, Columbia, 61-62; ASST. PROF, CALIFORNIA, RIVERSIDE, 63- Am. Philos. Soc. res. grant, 67. Polit. Sci. Asn; Int. Studies Asn; Asn. Adv. Slavic Studies. Soviet foreign policy perceptions; comparative communist political systems with focus on Czechoslovakia. Publ: The 1964 presidential elections—through soviet eyes, West. Polit. Quart, 12/68; Czechoslovakia: toward one-party pluralism, Probs. of Communism. 1-2/67. Address: Dept. of Political Science, University of California, Riverside, Calif. 92502.
- SCHWARTZ, DR. RALPH J(EROME). Speech Pathology, Audiology. See 11th ed, Phys. & Biol. Vols. & Suppl. V.
- SCHWARTZ, DR. RONALD M(ORTON), b. Philadelphia, Pa, Dec. 19, 35; m. 58; c. 2. PSYCHOLOGY. A.B, Temple, 57; Ph.D. (psychol), N.Y. Univ, 64. Instr. psychol, sch. commerce, N.Y. Univ, 6-63; proj. dir., indust. serv, Sci. Res. Asn, 63-65; staff consult, industs. div. Psychol. Corp, 65-69; V PRES, KENDALL, BOWERS & SCHWARTZ, N.C., 69- Adj. asst. prof. N.Y. Univ, 66-67; lectr. Baruch Col. City Univ. New York, 66- Psychol. Asn. Industrial and personnel psychology; employee attitudes and morale; executive selection, training and development. Publ: Psychological testing, In: Funk and Wagnall's standard reference encyclopedia, Standard Reference Library, 69. Address: 85 East End, New York, N.Y. 10028.
- SCHWARTZMAN, PROF. DAVID. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Part-time prof. community health & environ. med, State Univ. N.Y. Downstate Med. Center, 69- Address: 285 Central Park W, New York, N.Y. 10024.
- SCHWARZ, PROF. HENRY G(UENTER). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. 69-, Dept. of Political Science, Western Washington State College, Bellingham, Wash. 98225.
- SCHWEITZER, DR. STUART O, b. Cleveland, Ohio, Dec. 27, 37; m. 66; c. 2. ECONOMICS. B.S, California, Los Angeles, 61, M.A, Berkeley, 64, Ph.D. (econ), 66. Asst. prof. econ, Wayne State, 66-69; MEM. RES. STAFF, URBAN INST, 69- Econ. Asn, Indust. Rels. Res. Asn. Labor market analysis.

- Publ: New evidence on problems of reemployment, Monthly Labor Rev. 8/67; Factors determining the interindustry structure of wages, Indust. & Labor Rels. Rev. 1/69. Address: Urban Institute, 2100 M St, N.W., Washington, Dr. 2003?
- SCHWENGER, ROBERT B(EE), b. Ft. Wayne, Ind. Feb. 27, 06; m. 34; c. 4. ECONOMICS. INTERNATIONAL RELATIONS. B.A., Wisconsin, 28, fel, 28-30; fel, Geneva, 30-32; fel, Chicago, 32-33. Economist, for. agr. serv, U.S. Dept. Agr, 34-60; dir. div. for. econ. policy & spec. asst. to Asst. Secy. Int. Affairs, U.S. Dept. Labor, 60-66; RES. & WRITING, 67- Prof. Inst. Int. Econ. Studies, Stockholm, 64-65. Secy. Labor Career Serv. Award, 64. Econ. Asn; Agr. Econ. Asn. Changing intergovernmental trade discussion from an adversary process based on static nationalist postures to a cooperative process for facilitating the growth of the integrating world economy. Publ. International trade policy for a world growth economy, Govanni Agnelli Found, Turin, Italy, 69; World agricultural policies and the expansion of trade, 2/45 & New concepts and methods in foreign trade negotiation, 12/69, J. Agr. Econ. Address: 4016 Dresden St, Kensington, Md. 20795.
- SCHWERTFEGER, DR. MARY JANE, b. Norfolk, Nebr., July 18, 21. EDUCA-TIONAL PSYCHOLOGY. B.A, lowa State Col., 48; M.A, Iowa, 52; Ph.D. (ed), Michigan, 60. Teacher preschool, Stephens Col., 48-50; lowa Child Welfare Res. Sta, 52-56; disturbed preschool, Children's Psychiat. Hosp., UNIV. MICHIGAN, 57, preschool, univ. sch, 58-61; asst. prof. ED, SCH. ED, 61-65, ASSOC. PROF, 66-Nat. Inst. Ment. Health res. fel, 60-61; co-dir, Nat. Inst. Ment. Health Proj., 67-71. Ed. consult, Hawthorn Center, Northville, Mich, 61; Mott Child Health Center, Flint, 69-70. Soc. Res. Child Develop; Psychol. Asn. Processes and impact of training teachers of young emotionally disturbed children; developmental and perceptual aspects of self identity in the child. Publ: Co-auth, The benefits of preschool intervention, Mich. Ed., 11/67; The training of teachers of disturbed preschool children, In: Selected readings, Coun. Except. Children, 69. Address: 6 Parkview Place, Ann Arbor, Mich. 48103.
- SCHWIRIAN, DR. KENT P. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Dept. of Sociology, Ohio State University, Columbus, Ohio 43210.
- SCHWITZGEBEL, DR. RALPH K. Psychology, Law. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 5 Pelham Rd, Waltham, Mass. 02154.
- SCHWITZGEBEL, DR. ROBERT L. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Vis. assoc. prof, Dept. of Psychology, Claremont Craduate School, Claremont, Calif. 91711.
- SCLOVE, DR. STANLEY LOUIS, b. Charleston, W.Va, Nov. 25, 40; m. 62.
 STATISTICS. A B, Dartmouth Col. 62, univ. fel, 62-63; univ. fel, 60-64
 64-65, N.Y. State Regents fel, 65-66, Ph.D.(math. statist), 67. Nummer
 math. statistician, lab. med. & biol. sci. div. air poliution, Taft Center, U.S.
 Pub. Health Serv, Ohio, 62, 63, 64; summer consult, Dr. Robert Wolf, Mt.
 Sinai Hosp, N.Y. 65; res. assoc. STATIST, Stanford, 66-68; ASST, PROF,
 CARNEGIE-MELLON UNIV, 68- Sarah Mellon Scaife Found, grant, 68-69,
 Consult, Evans Res. & Develop. Corp, N.Y. summer 65; Alcoa Res. Labs,
 Pa, 69. AAAS; Statist. Ass.; Inst. Math. Statist. Regression and multivariate statistical analysis. Publ: Improved estimators for coefficients in
 linear regression, J. Am. Statist. Ass., 68; co-auth, Estimating the parameters of a convolution, 69 & Estimating the parameters of a linear function
 of a random variable, 70, J. Royal Statist. Soc. Address: Dept. of Statistics,
 Carnegie-Mellon University, Pittsburgh, Pa. 15213.
- SCOLLON, PROF. ROBERT W(ILLIAM). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, Gannon Col, 70- Address: 3217 Pine Tree Terr, Erie, Pa. 18506.
- SCOLNICK, ADOLPH. Statistics, Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 236 Gold Kettle Dr, Gaithersburg, Md. 20760.
- SCOTT, PROF. ALAN, b. Marietta, Ohio, Nov. 21, 12; m. 40; c. 2. PUBLIC RELATIONS. A. B. & B. J. Missouri, 34, M.A., 36; D. Ed, Texas, 55. Ed, Exchange Mag, Calif, 39-41; asst, prof. journalism, California, 41-42; writer & ed, overseas radio div, Off. War Info, Calif. & N.Y, 42-45; asst. prof. JOURNALISM, Mich. State, 45-49, PROF, TEXAS, AUSTIN, 49- Southwest rep, Dudley-Anderson-Yutzy Pub. Rels, N.Y, 55-; coordinator pub. info, Int. Cancer Cong, 69-70. Pub. Rels. Soc. Am, 4sn. Ed. Journalism. Education for public relations; curriculum content and preparation for profession. Publ: Co-auth. Contemporary public relations, Prentice-Hall, 55: auth, Secondary school journalism: current trends and practices, Univ. Texas, 56. Address: School of Communication, University of Texas, Austin, Tex. 78712.
- SCOTT, DR. BASIL Y, b. Barbados, B.W.I. Jan. 18, 25; U.S. citizen; m. 50; c. 2. ECONOMICS, PUBLIC ADMINISTRATION. B.A. CHY Col. New York, 48; M.A. Columbia, 49; M.B.A., Siena Col., 52; D. S. Soviuss, N. F. Sarbado, N. S. Soviuss, N

- SCOTT, DR. DAVIS A(NTHONY), b. Mendota, Ill, July 7, 28; m. 51; c. 3. SPEECH PATHOLOGY, AUDIOLOGY. A.B, Grinnell Col. 50; A.M., Indiana, 53, U.S. Odf. Ed. fel, 65-66; P.B.D. fepsech path, audiol), 67. Staff clucical, Indiana, 51-53; speech consult, lowa State Teachers Col., 53-54; through pub. schs, lowa, 54-56; super. speech ch hearing, Ky. Cripplet Children Cmn, 56-58; instr. speech path, Indiana, 58-66; PROF & DIR. SPEECH PATH. & AUDIOL, MOORHEAD STATE COL, 66- Speech & Hearing Asn. (cert. clin. competence, 52); speech Asn. Am; Alex Graham Bell Asn. for Deat; Cleft Palate Asn. Effects of unisensory and bisensory simuli upon imitative speech behavior and upon auditory discrimination; public address in Indiana in the 1800°s. Address: Dept. of Speech, Moorhead State College, Moorhead, Minn. 56560.
- SCOTT, PROF. FRANK A(LEXANDER). Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Dept. of Psychology, Radford College, Box 777, Radford, Va. 24141.
- SCOTT, DR. GUY. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chief psychologist, 69-, Tulare Co. Mental Health Services, 1830 S. Mooney, Visalia, Calif. 93277
- SCOTT, DR. JAMES CAMPBELL. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, polit. sci, Wisconsin, Madison. Address: 2440 Commonwealth Ave. Madison, Wis. 53711.
- SCOTT, PROF. JOHN C(ARVER), JR. Sociology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New information: On leave from American Univ. as dir. sociol. & soc. psychol. prog, 70-, National Science Foundation, 1800 G St. N.W., Washington, D.C. 20550.
- SCOTT, DR. JOHN F(OLEY). Personnel Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Chief gen. personnel policies sect, U.S. Civil Serv. Cmn, 69- Address: 2200 Exdiar Rd, Bethesda, Md. 20014.
- SCOTT, DR. PETER DALE. English, Political Science. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- SCOTT, DR. RICHARD CONROE, b. Waco, Tex, July 20, 34; m. 60; c. 2. MANAGEMENT. B.B.A, Baylor, 56, M.B.A, 65; D.B.A, Indiana, 68. ASSOC. PROF. MGT, BAYLOR, 68- Consult, Word Records, Inc, 65; Off. Econ. Opportunity, 66; Gen. Dynamics Corp. & Advert. Mkt. Assocs, 69. U.S.N, 56-59, Res, 59-, Lt. Comdr. Acad. Mgt. Organization theory; organization behavior. Address: Hankamer School of Business, Baylor University, Waco, Tex. 78(703).
- SCOTT, DR. TAYLOR CARVER, JR, b. Brandenton, Fla, Dec. 30, 20; m. 47; c. 2. SOCIOLOGY. B.A, Florida, 47, M.A, 49; Ph.D. (sociol), Maryland, 67. Asst. sociol, Florida, 48-49; asst. prof. (a. South. Col, 49-52; asst, Maryland, 52-53, instr, overseas div, 53-54, res. asst. & part-time instr. sociol. 54-56; asst. prof. sociol. 54-66; asst. prof. sociol. 56-64; Centre Col, 64-66; Stetson, 66-67; ASSOC. PROF. SOCIOL. & HEAD DEPT. SOCIOL. & ANTHROP, OA. SOUTH. COL, 67- Participant, Nat. Sci. Found. Inst. Anthrop, summer 62. U.S.A.A. F, 42-46, Capt. Sociol. Asn; Geront. Soc. Social gerontology; social change; community social structure and change in a small Georgia town. Publ: Co-auth, Fact book on Maryland's aging People, Agr. Exp. Sta, 56 & Social change in a Georgia town 49-67, Marvin Pittman Essays, 69; auth, Review and evaluation of major sociological theories of aging, Ohio Valley Sociologists, 67. Address: Dept. of Sociology, Georgia Southern College, Statesboro, Ga. 30458.
- SCOTTON, PROF. DONALD W, b. Cheney's Grove Twp, Ill, Nov. 22, 19; m. 46; c. 3. BUSINESS ADMINISTRATION. B.S. Illinois, Urbana, 48, M.S. 50, Ph.D.(econ), 52. Transit teller, Continental Ill. Nat. Bank, Chicago, 37, 41; mgt. trainee, Montgomery Ward & Co, 48; instr. mkt, Illinois, Urbana, 49-52, assoc. prof, 57-64, dir. & prof. correspondence study, 46-48; asst. prof. mkt, Detroit, 52-54; dir. res, E.F. MacDonald Co, Ohio, 54-55, mgr. res, methods & systs, Toy Value Enterprises, 55-57; PROF. BUS. ADMIN. & CHMN. DEPT, CLEVELAND STATE, 68- U.S.N.R, 41-45. Mkt. Asn; Adult Ed. Asn. U.S.; Inst. Decision Sci., Acad. Mgt. Address: Dept. of Business Administration, Cleveland State University, Cleveland, Ohio 44115.
- SCOVILLE, DR. JAMES GRIFFIN. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Institute of Labor & Industrial Relations, University of Illinois, 504 E. Armory Ave, Champaign, Ill. 61820.
- SCROGGS, DR. JAMES RUDOLPH, b. Baltimore, Md, Nov. 22, 31; m. 55; c. 2. ABNORMAL & SOCIAL PSYCHOLOGY. A.B. Northeastern, 55; B.D. Harvard, 58; Ph.D. (psychol. & pastoral counseling), Boston, 63. Prof. PSY-CHOL, Chandler Sch. Women, 63-67; ASST. PROF, BRIDGEWATER STATE COL, 67- Psychol. Asn. Empathy: essethetic and interpersonal; religious and ideological conversion; sensitivity training; interracial T-groups; rehabilitation of adult mental retardates. Address: Dept. of Psychology, Bridgewater State College, Bridgewater, Mass. 02324.
- SEARS, DR. ROBERT LISTON, b. Sasser, Ga, Oct. 3, 34. EDUCATIONAL PSYCHOLOGY. B.S, Ga. South. Col., 56; M.A, Georgia, 57, Ed.D. (ed., psychol), 67. Teacher & coach, Savannah Country Day Sch, Ga, 60-61; asst. training dir, Union-Camp Corp, 61-65; asst. prof. ed. psychol, Ga. Col., 67-69; ASSOC. PROF. ED. PSYCHOL & DIR. FT. BENNING CENTER, CO-LUMBUS COL, 69. Intel.C, U.S.A, 57-60. Psychol. Asn. Teaching buman learning and tests and measurement. Address: P.O. Box 6311, Columbus, Ga. 31907.
- SEATON, DR. RICHARD W(ALLACE). Social Psychology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. archit. & environ. psychologist, Office of Academic Planning, University of British Columbia, Vancouver 8, B.C, Can.
- SEAWALL, PROF. FRANK. Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Geography, Chico State College, Chico, Calif. 95926.

- SEBOR, PROF. MILOS M. Geography, City Planning. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New information: Also dir. planning progs, 68-, Graduate School, Eastern Kentucky University, Richmond, Ky. 40475.
- SEBUKTEKIN, DR. HIKMET I. Applied Linguistics, Turkish. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.
- SECHZER, DR. JERI ALTNEU. Physiological Psychology, Neuroanatomy. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- SECOR, DEAN PHILIP B, b. Mt. Kisco, N.Y, Dec. 12, 31; m. 55; c. 3. POLITICAL SCIENCE. A.B, Drew, 53, James B. Duke fel, 57-58, M.A, 58, Ph.D. (polit, sci), 59. Participant exec, sect, Lilly Endowment Res. Prog. Christianity & Politics, Duke, 38-59; instr. polit, sci, Dickinson Col, 59-60, asst. prof., 61-64, asst. dean col, 62; asst. prof. polit, sci, Davidson Col, 63-65, assoc, prof, 65-67, ASSOC. PPOF. POLIT. SCI. & DEAN COL, MUHLENBERG COL, 67- Lectr, Pledmont Univ. Center, 66-67. Mem. Cmn. on Man, Med. & Theol, Lutheran Church in Am, 68. Med. C, U.S.A, 53-55. Polit. Sci. Asn; Asn. Adv. Slavic Studies. Political theory; Soviet politics. Publ: Co-auth, The North Carolina Speaker ban law, Ky. Law J, Vol. 58, No. 2 & Crime and punishment in Soviet Russia, In: Muhlenberg essays, Keller, 68; Academic freedom in political context, In: Law and justice, Duke Univ, 70. Address: Muhlenberg College, Allentown, Pa. 18104.
- SEDRANSK, DR. JOSEPH H(ENRY). Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Statistics, University of Wisconsin, 1210 W. Dayton St, Madison, Wis. 53706.
- SEEGARS, DR. JAMES EDWARD, JR, b. Charleston, S.C, Mar. 3, 31; m; c. 7. PSVCHOLOGY. A. B. The Citadel, 53, B.S., 55; Plorida, 56-57; M.A. South Carolina, 59; Ph.D. Kentucky, 67. Counsr, Domestic Rels. & Juvenile Court. Charleston, S.C., 55; instr. psychol, South Carolina, 57-59; psychologist, counseling center, Univ. Kentucky, 59-63; ASSOC. PROF. PSYCHOL, CHMN. DEPT. & DIR. INSTNL. RES. CENTER, WOFFORD COL, 67- Clin. intern. S.C. State Hosp, 57-59; psychologist, Lexington Child Guid. Clin. & res. psychologist, Vet. Admin. Hosp, Ky, 59-63. Intel., U.S.A.F., 53-55. Address: Dept. of Psychology, Wofford College, Spartanburg, S.C. 29301.
- SEELEY, DR. BURTON D(AVIS). Economics. See L-Z Vol. 11th ed. Soc. & Behav. Vols. Change of address: Western Michigan University, Kalamazoo, Mich. 49001.
- SEELEY, JOHN R(ONALD). Sociology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New information: Independent consult, author & lectr. 69- Address: 8352 Vereda del Padre, Goleta, Calif. 93017.
- SEELYE, DR. ALFRED L(EE). Marketing. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Pres. & chmn. bd. 69-, Wolverine World Wide, Inc., 9341 Courtland Dr. Rockford, Mich. 49341.
- SEELYE, DR. BARBARA JANE, b. Peoria, Ill, Nov. 29, 30. SPEECH PATHOLOGY, COMMUNICATION THEORY. B.S. Eureka Col, 52; univ. fel. & M.A., Denver, 55, univ. fel. & Ph.D. (speech path), 57. Teacher, Delavan Unit Sehs, Ill, 52-55 & Forma Unit Schs, Manito, Ill, 56-57; teacher & execasst. mentally retarded diagnostics, Children's Speech Clin, Univ. Denver, 55-56; asst. speech correction ment. retarded, Washington (St. Louis), 57; instr. child psychiat, child eval. clin, sch. med, 38; instr. speech, 57. LOUIS, 59-61, dir. speech clin, 61-63, asst. prof. speech, 63-67, ASSOC. PROF. SPEECH & CHMN. DEPT. COMMUN. DISORDERS, 67- Consult, State Dept. Maternal & Child Health, Proj. Headstart, Mo. Sch. for Blind; Hope Lutheran Spec. Schs, Child Develop. Clin; Inter-dept. Adv. Cmt. on Spec. Ed, State Dept. Ed, Adv. Cmt. Title VI, Elem. & Sec. Ed. Act. Speech & Hearing Asn. Language problems of the community mentally retarded; executive-management training; communication theory and clinical application. Publ: Co-auth, Factors associated with parental reaction to a clinic for mentally retarded children, Am. J. Ment. Deliciency, 61. Address: Dept. of Communication Disorders, St. Louis University, 15 N. Grand Blvd, St. Louis, Mo. 63103.
- SEEVERS, DR. GARY LEONARD, b. Jonesville, Mich, May 24, 37; m. 57; c. 4. ACRICULTURAL ECONOMICS. B.S, Mich. State, 59, M.S, 66, Ph.D. (agr. econ), 68. County exten. agent, Mich. State, 59-64; ASST. PROP. AGR. ECON. ORDEON STATE, 68. Assoc. dir, Nat. 4-H. Club Found, 92-63. Economet. Soc; Econ. Assn. Agr. Econ. Asn. Policy analysis relative. United States agriculture; international trade and to order by P.L. easiestance. Publ: Evaluation of the disinventive order of the Order by P.L. 480, 8/68 & Cost of food aid to recipient countries, 12/69, Am. J. Agr. Econ. Address: Dept. of Agricultural Economics, Oregon State University, Corvallis, Ore. 97331.
- SEGAL, DR. AARON. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Ed, 69-, Africa Report Magazine, Room 505, 866 United Nations Plaza, New York, N.Y. 10017.

SEGAL, DR. BERNARD ELLIOT, b. Boston, Mass, Mar. 9, 34; m. 56; c. 2. SOCIOLOGY. B. A. Dartmouth Col, 55; Ph.D. (soctol), Harvard, 60. Instr. SOCIOL, Goucher Col, 60-62; asst. prof, DARTMOUTH COL, 62-66, ASSOC. PROF, 66- Prin. investr. Nat. Inst. Ment. Health grant, 61; community health br, Nat. Insts. Health, 64-66, co-investr, accident prev. pr., 66; consult, state grant, Nat. Inst. Ment. Health Sucide Prevention Center, 68-89. Sociol. Asn. Medical sociology and social psychiatry; comparative sociology; racial and ethnic relations. Publ: Ed, Readings in racial and ethnic relations. Crowell, 66; guth, Epidemiology of emotional disturbance among college undergraduates, J. Nervous & Ment. Disorders, 66 & Dissatisfaction and desire for change among Chilean hospital workers, Am. J. Sociol, 69. Address: Dept. of Sociology, Dartmouth College, Hanover, N.H. 03755.

SEGAL, DR. DAVID R (OBERT). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1329 Orkney Dr, Ann Arbor, Mich. 48103.

SEGAL, DR. MORLEY, b. San Francisco, Dec. 17, 33; m. 54; c. 3. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. A. B. San Francisco State Col. 57, MA., 59; Ph.D. [bolit. sci), Claremont Grad. Sch, 65. Asst. prof. polit. sci, Calif. State Col. Hayward, 63-66; Am. Polit. Sci. Asn. cong. fel, 66-67; assoc. prof. GOVT. & PUB. ADMIN, AMERICAN UNIV, 67-70, PROF. 70-Consult, urban govt. prof., Wash. Cent. Metrop. Studies & urban data serv. Int. City Mgr. Asn. 69- U.S.A., 54-56. Polit. Sci. Asn. Acad. Polit. Sci. The legislative process. Publ. Co-auth, Study guide and student research guide, for: American politics: a systems approach, Holt, spring 70; auth, The million dollar misunder standing interim assistance in the District of Columbia, Wash. Center Metrop. Studies, spring 70; The freedom of information act and political science research, Polit. Sci. Newsletter, fall 69. Address: 23 W. Cedar St, Alexandria, Va. 22301.

SEGALMAN, DR. RALPH. Social Work, Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: On leave from Univ. Tex. as vis. prof, 69-70, School of Social Work, University of Wisconsin, 1225 Observatory Dr, Madison, Wis. 53706.

SEGEL, DR. RUTH SYDNEY, b. New York, N.Y, Nov. 19, 25; m. 50; c. 2. PSYCHOLOGY, SPECH PATHOLOGY, B.A. Brooklyn Col., 46; M.A. Western Reserve, 47; Ph.D. (speech path, psychol), Pittsburgh, 51. Instr. speech & psychol. & clin. supur, Pittsburgh, 47-51; dir. speech clin, Childrens Hosp, Pittsburgh, Pa., 49-51; instr. speech path. & clin. supur, Pa. State, 51-52; private practice, 52-50; asst. prof. PSYCHOL, SAN FERNANDO VALLEY STATE COL. 80-65, ASSOC. PROF. 65- Psychol. Assi, Speech & Hearing Asn. Dynamics of personality; methods of group and individual psychotherapy and counselling; human development; child psychology; exceptional child; psychological aspects of speech pathology. Address: Dept. of Psychology, San Fernando Valley State College, Northridge, Calif. 91324.

SECUIN, EDMOND L(OUIS), b. Philadelphia, Pa, Mar. 20, 33; m. 59; c. 5. PSYCHOLOGY. B.S, Pa. State, 61, M.Ed, 64. Res. asst. acad. res, Pa. State, 62-63; res. assoc. hwy. safety, Inst. Res, 63-64; res. psychologist, humetrics by, HRB-Singer Inc, 65-66; sr. res. psychologist, 66-67, staff psychologist & mgr. traffic systs. br, 67-68, dir. decision sci. lab, 68; V. PRES. & SR. RES. ASSOC. PSYCHOL. RES, INST. RES, 68- Mem, Nat. Acad. Sci-Nat. Coop. Hwy. Res. Prog. Adv. Panel Cmt. G70, 69-; mem, Hwy. Res. Bd, Nat. Acad. Sci-Nat. Res. Coun. Consult, HRB-Singer Inc, 68-U.S.N, 52-56. AAAS; Psychomet. Soc; inst. Traffic Eng. Human factors of highway safety and traffic flow; development and evaluation of programmed instructional materials; computer-assisted performance maintenance of image interpreter extraction skills. Publ: Co-auth, The relative effectiveness of earphones and loudspeakers as a means of presenting a listening test in a foreign language, Mod. Lang. J., Vol. 48, No. 6, Vehicle kinematics and gap acceptance, J. Appl. Psychol, Vol. 52, No. 4 & The effects of sight distance and controlled impedance on passing behavior, Hwy. Res. Record, 292. Address: Institute for Research, 257 S. Pugh St, State College, Pa. 16801.

SEILER, DR. JOHN A(NDREW), b. Boston, Mass, Mar. 23, 27; m. 50; c. 2.
ORGANIZATIONAL BEHAVIOR. A.B, Harvard, 50, M.B.A, 53, Ph.D.(orgn. behav), 57. Fel. Human rels, GRAD. SCH. BUS. ADMIN, HARVARD, 53-54, instr. gen. admin, 54-57, asst. prof. admin. practices, 57-63, ASSOC. PROF. ORGN. BEHAV, 62- ASST. DEAN M.B.A, PROG, 68- Assoc, Nat. Training Labs, Nat. Ed. Asn, 63- U.S.A.E., F. 54-47. Sociol. Asn; Soc. Appl. Anthrop. Intergroup and small group behavior; organizational analysis and simulation; pedagogy. Publ: Co-auth, Organizational behavior and administration, 65 & auth, Systems analysis in organizational behavior, 67, Irwin; co-auth, chap, In: The chaqing college classroom, Jossey-Bass, 69. Address: 87 Lincoln Rd, Wayland, Mass. 01778.

SEIM, CAPT. HARVEY BRYANT, U.S.N. (RET). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. nuclear planning, NATO International Staff, 69- Address: USNATO/IS, APO, New York 09667.

SEKYRA, DR. FRANCIS, III, b. Chicago, Ill, July 2, 39; m. 65; c. 1. EDUCATIONAL & EXPERIMENTAL PSYCHOLOGY. B.S, Illinois, 61; M.A, Alamam, 63, Ph.D. (psychol), 68. Training specialist, Civil Serv. Cmn, City of Chicago, Ill, 63-64; instr. psychol, MISS. STATE, 64-67, asst. prof. psychol, & coordinator of instr., 67-68; ASSOC, PROF. PSYCHOL, 68, +HEAD DEPT, 70-, acting head dept, 68-70. AAAS; Psychol. Asn. Intellectual development and assessment; behavior modification research, effects of industrial supervisory training programs; classical eyelid conditioning. Address: P.O. Box 2424, State College, Miss. 39762.

SELDEN, PROF. RICHARD THOMAS, b. Pontiac, Mich, Mar. 31, 22; m. 53; c. 2. ECONOMICS. B.A, Chicago, 48, Julius Rosenwald scholar, 51-52, Ph.D. (econ), 54; M.A. Columbia, 49. Instr. bus. admin, Massachusetts, 49-50; asst. prof. econ. & bus. admin, Vanderbilt, 52-54, assoc. prof. 54-59; banking, Columbia, 59-62; prof. ECON, Cornell, 62-69; CARTER GLASS PROF, VIRGINIA, 69-Res. fel, Nat. Bur. Econ. Res, inc, 58-59, mem. res. staff, 59-; economist, First Nat. City Bank, New York, 62-63; Guggenheim Mem. Found, fel, 64-65; Fubright-Hays adv. res. scholar, Belgium, 65; Ford Found. faculty fel, Cornell, 68-69. Consult, bd. gov, Fed. Reserve,

Syst. U.S.A.A.F, 43-46, Sgt. Econ. Asn; Finance Asn. Theoretical and empirical studies of the demand for money, the nature of inflation during the 1950's, the markets for commercial paper and consumer installment credit, and the effectiveness of monetary policy in the United States and in Western Europe. Publ: Trends and cycles in the commercial paper market, Nat. Bur. Econ. Res. inc, 63; Monetary velocity in the U.S., in: Studies in the inflation, 1955-57, I. Foli U.S. on, 19. Address: Dept. of Economics, University of Virginia, Charlottesville, Va. 22901.

SELDIN, DR. MAURY. Business Administration, Urban Development. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. real estate & urban develop. planning, 69-, School of Business Administration, American University, Washington, D.C. 20018.

SELIGMAN, DR. BARNARD, b. Hartford, Conn, Aug. 17, 23; m. 64; c. 1. ECONOMICS. B.S, N.Y. Univ, 47, fel, 59-61, Ph.D.(econ), 62; M.A, Trinity Col.(Conn), 52. Investment analyst, Sun Life Ins. Co, Md, 56-57; budget exam, State of Conn, 57-59; asst. prof. banking & finance, N.Y. Univ, 61-65; finance & econ, Baruch Col, 65-69, ASSOC. PROF. FINANCE, PACE COL, 69- Found. Econ. Ed. bus. fel, 65; Am. Fedn. Teachers res. award, 66. U.S.A, 41-43, Sgt. Econ. Asn; Inst. Chartered Financial Anal; Finance Asn; Nat. Asn. Bus. Econ. The influence of economic and financial variables on money and capital markets and security selection. Publ: The rejection of financial value linking in England, West. Econ. J, fall 63; Cost of living adjustment in annuities, J. Risk & Ins, 3/64; An examination of indexed securities, South. J. Bus, 1/69. Address: Graduate School of Business, Pace College, 41 Park Row, New York, N.Y. 10038

SELINGER, DEAN CARL MARVIN. Law, Government. See Suppl. I to 5th ed. Dir. Am. Scholars.

SELL, DR. KENNETH DANIEL, b. Littlestown, Pa, Apr. 29, 28; m. 49; c. 2. SOCIOLOCY. B. S. Ursinus Col., 50; dipl. Spanish, Sch. Lang, San Jose, Costa Rica, 58; M. Ed. Pa. State, 61; Ph. D. (sociol), Fla. State, 68. Instr. SOCIOL, PLA. State, 67-68; ASSOC. PROF. CATAWBA & LIVINGSTONE COLS, 68- Prog. chmn, N.C. Family Life Coun, 69. Nimkoff Award, Fla. State Univ, 67. Sociol. Asn, Nat. Coun, Family Rels. The sociology of the family. Address: Dept. of Sociology, Catawba College, Salisbury, N.C. 28144.

SELLIN, PROF. THORSTEN. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address; Gilmanton, N.H. 03237.

SELLS, PROF. SAUL B. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 3850 Overton Park Dr. W, Fort Worth, Tex. 76109.

SELTZER, NORMAN. Economics, Industrial Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1094 Larkspur Terr, Rockville, Md. 20850.

SELTZER, DR. ROBERT JOEL, b. Hartford, Conn, June 21, 42; m. 65; c. 1. CHLD & DEVELOPMENTAL PSYCHOLOGY. A. B., Columbia, 64; Woodrow Wilson fel, Brown, 64-65, U.S. Pub. Health Serv. fels, 65-68, M.S., 66, Ph.D. (psychol), 68. ASST. PROF. PSYCHOL, INDIANA, BLOOMINGTON, 68-AAS. Experimental psychology. Address: Dept. of Psychology, Indiana University, Bloomington, Ind. 47401.

SEMLER, PROF. IRA J(ACKSON), b. Martensdale, Iowa, Sept. 18, 22; m. 44; c. 3. PSYCHOLOGY. B.A, Iowa State Teachers Col, 49; M.A, Iowa, 53, Ph.D. [ed. psychol), 57. Asst. prof. psychol, Chico State Col, 57-58; child develop, Texas, 58-60; consult, psychol, Cedar Rapids Community Sch. Dist, Iowa, 60-62, dir. res, 62-67; vis. assoc. prof. PSYCHOL, Iowa, 67-68; PROF. & HEAD DEPT, NORTHERN IOWA, 68-Proj. dir, U.S. Dept. Health, Ed. & Welfare grant, 65. Sig. C, U.S.A, 42-45, U.S.A.F. 45, T/Sgt. Psychol. Asn; Soc. Res. Child Develop; interam. Soc. Psychol. Conceptual behavior in children; frustrative nonreward; research design. Publ: Co-auth, Concept interference and paired associates in retarded children, J. Comp. & Physiol. Psychol, 65; auth, Persistence and learning in young children, Child Develop, 67; co-auth, Child Develop, 67; co-auth, Children's reactions to nonreward; partial versus continuous reinforcement using within-subjects design, Psychonomic Sct, 68. Address: Dept. of Psychology, University of Northern Iowa, Cedar Falls, Iowa 50613.

SEMPLE, DR. ROBERT K, b. Toronto, Ont, July 26, 41; m. 66. GEOGRAPHY. B.A, Toronto, 65, M.A, 66; Ph.D. (geog), Ohio State, 69. ASST. PROF. GEOG, McGILL, 69. Regional Sci. Asn; Am. Asn. Geog; Can. Asn. Geog. Quantitative and economic geography, particularly the development of geographical models; computer oriented research and urban systems analysis. Publ; Co-auth, Concerning the testing of spatial diffusion hypotheses, Geog. Anal, 7/69; A geographical analysis of entropy changes in a settlement pattern over time, Econ. Geog. J, 4/70 & A geographical analysis of changing redundancy in inter-urban transportation links, Geographisa Annaler, 61. Address: Dept. of Geography, McGill University, Montreal 110, Que, Can.

SENECA, DR. JOSEPH JAMES, b. Philadelphia, Pa, Jan. 6, 43. ECONOMICS. B.S, Pennsylvania, 64, Ph.D. (econ), 68. ASST. PROF. ECON, RUTGERS, 67-U.S.A, 67. Economics of public goods; quantitative economics; natural resources. Publ: Short interest: bearish or bullish, J. Finance, 3/67; Water recreation: supply and demand, Water Resources Res, 12/69; co-auth, A gravity analysis of the demand for public communication, J. Regional Sci, 12/69. Address: Dept. of Economics, Rutgers, The State University, New Brunswick, N.J. 08903.

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- 49; Earhart Found. fel, N.Y. Univ, 54-55, Ph.D.(econ), 55. Asst. prof. ECON, Iona Col, 54-56; PROF, GROVE CITY COL, 56- Mem, Economists' Nat. Cmt. Monetary Policy, 59-; trustee, Found. Econ. Ed. 69- Econ. Asn. Problems of international cooperation and integration; money and banking; public finance. Publ: How can Europe survive?, 58 & co-auth, On freedom and free enterprise, 56, Van Nostrand; auth, Inflation or gold standard?, Constitutional Alliance, 69; plus others. Address: Dept. of Economics, Grove City, College, Grove City, Pa. 16127.
- SEPINWALL, DR. JERRY. Physiological Psychology, Psychopharmacology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- SERONSY, DR. LOUISE B(AIRD). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychol. Bloomsburg State Col, 69-Address: 14 Central Ave, Carroll Park, Bloomsburg, Pa. 17815.
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- SEVERSON, DR. ROBERT F, JR, b. Chicago, III, June 29, 31; m. 51; c. 3. ECONOMIC SYSTEMS & HISTORY. B.S, Illinois, 58, M.A, 60, Ph.D. Jecon), 63. ASSOC. PROF. ECON, COL. S.JERSEY, RUTGERS, 63. U.S.A.F, 51-55, S/Sgt. Econ. Asn; Econ. Hist. Asn. Economic history, systems and development. Publ: Articles in Agr. Hist, Vol. 36, No. 3, Bus. Hist. Rev, Iall 60, spring, 61 & J. Econ. Hist, 6/66. Address: Dept. of Economics, College of Arts & Sciences, Rutgers University, 311 N. Fifth St, Camden, N.J. 08102.
- SEWELL, DR. W. R. DERRICK, b. Rock Ferry, Eng, Feb. 9, 31; m. 61; c. 2. ECONOMICS, GEOGRAPHY. B.Sc, London, 54; M.A., Washington (Seattle), 56, Ph.D. (geog), 64. Economist, Can. Fed. Govt, 56-63; asst. prof. geog. Chicago, 64-66; assoc. prof. ECON. & GEOG, VICTORIA (B.C), 66-69, PROF, 69-Hon. sessional lectr, Univ. British Columbia, 61-62; summers, vis. prof. Utah State Univ, 65, Univ. North Carolina, 66. Consult, U.S. & Can. fed. govt. depts, Nat. Sci. Found. & Can. Frivy Coun. Asn. Am. Geog; Can. Asn. Geog; Can. Econ. Asn; Inst. Pub. Admin. Can. Publ: Water management and floods in the Fraser River Basin, Univ. Chicago, 65; co-auth, The lower Mcking, Carnegie Endowment Int. Peace, Taplinger, 66; auth, Water management research, Queen's Printer, Ottawa, 69. Address: Dept. of Economics, University of Victoria, Victoria, B.C, Can.
- SEYMANN, DR. RICHARD G(EOFFREY), b. New York, N.Y., Jan. 6, 40; m. 63; c. 2. PSYCHOLOGY, STATISTICS. B.A. Washington & Jefferson Col. 61; Ph.D. (exp. psychol), Emory, 67. Instr. PSYCHOL, Morehouse Col. 65-66, asst, prof. 66-68, assoc. prof. 68-69, acting chmn. dept. 66-69; ASSOC. PROF. LYNCHBURG COL. 69- AAS; Psychol. Asn; Statist. Asn. Theories of discrimination learning and the application of experimental design methodology to theoretical learning problems. Publ; Co.-auth, Preference for signal-shock vs. shock-signal, 68 cand. 68; Factors effecting preference for a signal-shock over shock-signal, 68 auth, The effect of differences in reward magnitude with correlated cues on running speed, 69, J. Exp. Psychol. Address; Dept. of Psychology, Lynchburg College, Lynchburg, Va. 24504.
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- SHACK, DR. JOHN RICHARD, b. Chicago, Ill, May 30, 40; m. 63; c. 4. PSY-CHOLOGY. A.B, DePaul, 62; M.S, Case Western Reserve, 64, U.S. Pub. Health Serv. Iel, 66-68, Ph.D. Ckin. psychol), 68. Saff psychologist lectr, Oberlin Col, 66-68; ASST. PROF. PSYCHOL, LOYOLA (ILL), 68-, DIR. PSYCHOL, SERV, LOYOLA CHILD GUID. CENTER, 68- Consult, Cleveland Bd. Ed, 68-69; Chicago Cath. Archdiocese Health Prog, 68-70; Rosary Col, 69-70; Rogers Park Community Coun, 69-70. Psychol. Asn. Mental health manpower training; behavior modification related to severe psychological impairment in young children; academic learning motivation assessment. Publ; Co-auth, Longitudinal study of a child development program, Cleveland Schs. Press, 68. Address: Dept. of Psychology, Loyola University of Chicago, Chicago, Ill. 60626.
- SHACK, PROF. WILLIAM A. Social Anthropology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Prof. Soc. anthrop, 70-, Dept. of Anthropology, University of California, 232 Kroeber Hall, Berkeley, Calif. 94720.
- SHACTER, DR. DAVID GORDON. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 69-, Dept. of Psychology, Waterloo Lutherau University, Waterloo, Ont, Can.
- SHADID, DR. ERNEST GEORGE, b. Elk City, Okla, Dec. 26, 29; m. 53; c. 4. PSYCHIATRY. B.A, Oklahoma, 50, M.D, 55. Intern, Sl. Francis Hosp, wichita, Kans, 55-56; res, Menninger Sch. Psychiat, 56-57; Cent. State Griffin Mem. Hosp, 59-61; instr. psychiat, SCH. MED, OKLAHOMA, 61-68, ASST. CLIN. PROF. PSYCHIAT, NEUROLL. & BERIAN. SCI, 68-4, ASST. SUPT, CENT. STATE GRIFFIN MEM. HOSP, 66-, dir. outpatient dept, 61-62, clin. dir, 62-66. Consult, student health serv., Univ. Oklahoma, 61-62; Okla. State

- Penitentiary, 63-; Tinker Air Force Base, 64-; Okla. Dept. Pub. Welfare, 65- Dipl, Am. Bd. Psychiat. & Neurol, 67. Asst. chief, ment. hygtene clin, Lackland Air Force Base, U.S.A.F, 57-59- Fel. Psychiat. Assr, Am. Med. Asn, Col. Psychiat, Acad. Relig. & Ment. Health. Address: Box 151, Norman, Okla. 73069.
- SHAFER, DR. VERNON W(ILLIAM). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Ment. health consult, Glendale Adventist Hosp, 69-; assoc. prof. psychol. & consult. dept. nursing, Loma Linda Univ. Address: 1530 E. Chevy Chase Dr, Glendale, Calif. 91206.
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- SHAFFER, PROF. DALLAS B(ERT). Modern American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- SHAFFER, DR. EDWARD HARRY. Economics. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Vis. assoc. prof, 70-, Faculty of Business Administration & Commerce, University of Alberta, Edmonton, Alta Can.
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- SHAMAN, DR. PAUL. Statistics. See 12th ed, Phys. & Biol. Vols.
- SHAMBERG, DR. NEIL STEPHEN, b. Chicago, Ill, Oct. 4, 32; m. 60; c. 2. PSYCHOLOGY. Ph.B. Northwestern, 63; U.S. Pub. Health Serv. fel, Case-Western Reserve, 63-64, M.A. 65, Ph.D. (syschol), 68. Psychologist, U.S. Vet. Admin. Hosp. Brecksville, Ohio, 63-67; asst. prof., dept. psychol, John Carroll, 67-69; ASST. PROF. PSYCHOL, WINNIPEG, 69-, Soc. Sci. grant, 69-Psychol, Asn. Small group processes; experimental artifacts; leadership; cognitive dissonance theory; integrity therapy. Pub: Reminiscence and pursuit rotor performance in introverts, extroverts and neurotics, Brit. J. Soc. & Clin. Psychol, 12/69. Address: 712 Lanark St, Winnipeg 9, Man, Can.
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- SHANNON, DR. W. WAYNE. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Political Science, University of Connecticut, Storrs, Conn. 06268.
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- SHAPIRO, PROF. DONALD M. Applied Mathematics, Computer Science. See Suppl. V to 11th ed, Phys. & Biol. Vols.

- SHAPIRO, PROF. H(ARRY) L(IONEL). Physical Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Retired as chmn. dept. anthrop. & emer. curator, 69-, American Museum of Natural History, New York. N.Y. 10024.
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- SHAPIRO, DR. JUDAH J, b. New York, N.Y. June 12, 12; m. 34; c. 2. SOCIOLOCY, ANTHROPOLOGY. B.A. City Col. New York, 34, fel, 34-37; Columbia, 34-37; D.Ed, Harvard, 59. Tutor, City Col. New York, 34-37; Social work exec, Young Men's Hebrew Asna, 37-42; din. hist. & relig. Pinal Brith, Hillel Founds, 42-48; din. ed. cult. reconstruct, Am. Jewish Joint Distribution Crnt, Paris, France, 48-54; Conf. on Jewish Mat. Claims Against Germany, 54-57; nat. dir. higher ed, Brail Brith Hillel Founds, 57-60; exec. secy. res. & scholarship, Nat. Found, for Jewish Cult, 60-66; CONSULT. ED. RES, WORLD ZIONIST ORGN, YIVO CENTER FOR ADV. JEWISH STUD-ES, 66- Chum, Hadassah Youth Ref. Bd, 55-60; Nat. Cmn. on Jewish Cult. Serv, 57-59. Mem, Nat. Adv. Cmt. on Jewish Col. Youth, 68- Impact of modernization on tradition; what's new in ancient history; generational differences in values. Publ: Contemporary Jewish community life and the Zionist movement, World Zionist Orgo, Jerusalem, 65; The friendly society, Doron, 70; The current manpower crisis in Jewish communal services: its implications for the future, J. Jewish Communal Serv, fall 68. Address: 302 W. 86th St, New York, N.Y. 10024.
- SHAPIRO, DR. ROBERT ALLEN. Industrial Engineering. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- SHAPIRO, DR. SAMUEL I, b. Pittsburgh, Pa. Sept. 8, 39; m. 68. PSYCHOL-OOY. B.A, Brooklyn Col, 61; A.M, Michigan, 62; M.S, Pa. State, 65, Ph.D. (psychol), 66. Fel. PSYCHOL, California, Berkeley, 66-67, SST. PROF, HAWAII, 68-, grants, 68-70. Psychol. Asn; Psychonomic Soc. Verbal learning and behavior; human memory; cogmitive processes; history and philosophy of science, psychology of research. Publ. Paired-associate response latencies as a function of the association strength, 68 & Facilitation and interference effects as a function of the free association strength of mediators, 70, J. Exp. Psychol, Serial organization and prior free recall, Can. J. Psychol, 170. Address: Dept. of Psychology, University of Hawaii, Honoluit, Hawaii 96622.
- SHARIFF, DR. ISMAIL, b. Mysore City, India, Dec. 5, 38; m. 60; c. 2. ECONOMICS: B.A.(hons), Mysore, 58, M.A. 60; res. assistantship, Wisconsin, 62-65, Ph.D.(econ. develop. & policy), 65. Sr. statist. asst, Dystatist. Gov. Mysore, India, 60-61; res. assoc, econ. res. serv, U.S. Dept. Agr., 65-66; guest lectr, int. coop. training center, Wisconsin, Madison, 66-67; guest prof. econ, Wisconsin-Milwakee, 67-68; Wisconsin-Chener Syst, 68; ASST. PROF. ECON, WISCONSIN-GREEN BAY, 68- Summer res. grant, grad. sch, Wisconsin, 68-68. Resource economics; regional economics; economic policy and development. Publ. Co-auth, The nature and extent of irrigation in Wisconsin, Econ. Res. Serv, U.S. Dept. Agr, 66; auth, The development of Indian and American agriculture—a comparative study, Interstate Publ. & Printers, 68; The cooperative movement as an instrument of economic and social reconstruction in the underdeveloped countries, Int. Coop. Training Center, Univ. Wisconsin, Addison, 69. Address: University of Wisconsin-Green Bay, 120 S. University Circle Dr., Green Bay, Wis. 54305.
- SHARKEY, PROF. OWEN C. Psychology. See L-Z Vol, 11th ed, Soc. & Biol. Vols. New position & address: Assoc. prof, 69-, Dept. of Psychology, University of Prince Edward Island, Charlottetown, P.E.I, Can.
- SHARKEY, VINCENT J. Engineering Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Psychologist, 68-, Naval Training Device Center, Code 551, Orlando, Fla. 32813.
- SHARMA, DR. HARI P, b. Bawal, India, Jan. 10, 34. SOCIOLOGY. B.A, Agra, 54, M.S, Delhi, 60; M.S. Western Reserve, 64; Ph.D.(sociol), Cornell, 68. Lectr. soc. work, Delhi, 60-63; vis. lectr. SOCIOL, California, Los Angeles, 66-68; ASST. PROF, SIMON FRASER UNIV, 68- Sociol. Asr, Asn. Asian Studies. Sociological theory; sociology of revolutions; Marxist thought; sociology of development. Publ: Land reforms in Delhi, Univ. Delhi, 62; Indian tribes, Bansal, 62. Address: Dept. of Political Science, Sociology & Anthropology, Simon Fraser University, Burnaby 2, B.C, Can.
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- SHARMA, PROF. VISHO B. L, b. Nairobi, Kenya, May 10, 33; m. 62; c. 4. POLITICAL SCIENCE, SOCIOLOGY. B. Sc, London, 54, Ph.D.(int. rels), 58; Barrister-at-Law, Inns of Court, Eng., 56. Asst. registr-gen, Kenya Govt, 59-85; lectr. polit sci. & law, Univ. Col, Nairobi, Kenya, 65-67; vis. prof. SOC. SCI. & SOCIOL, WESTERN MICHIGAN, 67-68, assoc. prof, 68-70, PROF, 70-, COURSE CHMN, 66- African Studies Asn; Asn. Asian Studies.

- Strategic aspects of Indian foreign policy; social change in sub-Saharan Africa. Publ: Co-auth, Manual on Kenya Iaw, Govt. Printer, Kenya, 70. Address: 3303 St. Antoine Ave, Kalamazoo, Mich. 49007.
- SHARP, DR. AGNES ARMINDA. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1640 W. Glendale Ave, Apt. 32, Phoenix, Ariz. 85021.
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- SHARP, DR. HARRY W, JR. Rhetoric, Communication. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- SHARP, DR. JOSEPH C(ECIL), b. Sait Lake City, Utah, May 30, 34; m. 56; c. 2. PHYSIOLOGICAL PSYCHOLOGY, ENVIRONMENTAL HEALTH. B.S. Utah, 57, M.S., 58, Ph.D. (psychol), 60. Researcher behav. radiol, Wallon, 57, M.S., 58, Ph.D. (psychol), 60. Researcher behav. radiol, Particle Reed Army Inst. Res, 60-61, chief behav. radiol, 61-68; DIR. RADIOL. SCI, N.Y. STATE DEPT. HEALTH, 69- Mem, Int. Radiation Res. Cong, 66- Med. Serv. C, U.S.A, 53-55, 59-68, Maj. Radiation Res. Soc; Psychol. Asn. Effect of radiation upon behavior and central nervous system development; effects of environmental contaminates upon central nervous and endocrine functions; history of psychology. Publ: Co-auth, A history of psychology in autobiography, Appleton, 67; auth, chap, in: Prenatal Irradiation and postnatal behavior, Am. Inst. Biol. Sci, 64. Address: 47 Campus Club Dr., Guilderland, N.Y. 1204.
- SHARPE, PROF. ERNEST A, b. Cameron, Tex, Feb. 28, 16; m. 42; c. 3.
 JOURNALISM, MASS COMMUNICATIONS. B.J. Texas, 39, A.B. 40, M.J.
 41; Ph.D. (mass commun), Wisconsin, 64. V. consul, for. serv., U.S. Dept.
 State, 45-46; advert. mgr. Bryan Daily Eagle, Tex, 46; instr. JOURNALISM,
 TEXAS, AUSTIN, 46-48, asst. prof, 48-52, assoc. prof, 52-65, PROF, 65-,
 GRAD. ADV, 66- Lectr. Wisconsin, 61. Asn. Ed. in Journalism. Advertising; biography of G.B. Dealey; attitudes toward freedom of press, continuing
 nationwide study; leveling and sharpening effects in communication process.
 Address: Dept. of Journalism, University of Texas at Austin, Austin, Tex.
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- SHARPE, DR. WILLIAM D. Pathology, History of Medicine. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- SHARRON, DR. ARTHUR, b. New York, N.Y., Mar. 4, 18; m. 39; c. 2. ECO-NOMICS, MANAGEMENT. M.A., American Univ, 45, Ph.D. (econ), 58. Economist, 67, Price Admin, 44-46, Int. Monetary Fund, 46-48; U.S. Army, 48-51; self-employed, 51-55; U.S. Air Force, 55-58; ASSOC. PROF. econ. & mgt. Duquese, 58-61; econ. Long Island, 61-62; City Univ, New York, 62-65; ECON. & FINANCE, FAIRLEIGH DICKINSON, 65- Fel, Case Inst. Tech, 59. Mem, Economists', Nat. Cml. Monetary Policy, 59- U.S.A., 43-44. Econ. Asn. Monetary and managerial economics; integrating the fields of economics and to spothications, 68, Make economics come alive, 69 & Personalizing economic thinking, 70, Psycheconomics. Address: Dept. of Economics & Finance, Fairleigh Dickinson University, Rutherford, N.J. 07070.
- SHARTLE, DR. CARROLL LEONARD. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Independent consult, 68- Address: 218 Leland Ave, Columbus, Ohio 43214.
- SHATIN, PROF. LEO. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Psychiatry, New Jersey College of Medicine & Dentistry, Newark, N.J. 07102.
- SHATTO, DR. GLORIA McDERMITH. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, econ, 69- Address: 7711 Bellerive, Houston, Tex. 77036.
- SHAUL, DR. DONALD ROBERT, b. Los Angeles, Calif, May 14, 09; m. 36. MANAGEMENT. B.S, U.S. Naval Acad, 33; M.B.A, California, Los Angeles, 56, Ph.D. (mgt. theory), 64. Creditman, Universal Credit Co, 36-37; arson investr, Los Angeles Fire Dept, 37-63; asst. prof, SCH. BUS, California Western, 63-64; CALIF. STATE COL., FULLERTON, 64-66, ASSOC. PROF. MGT, 66-, CHMN. DEPT, 67- U.S.N, 41-54, Comdr. Acad. Mgt. Management theory and policy; personnel and production management, economics. Publ: What's really ahead for middle management, Personnel, 11-12/64; co-auth, Banking as viewed from the campus, Burroughs Clearing House. Address: Dept. of Management, California State College at Fullerton, Fullerton, Calif. 92631
- SHAVER, DR. KELLY GRAY, b. Highland Park, Ill, Oct. 30, 41; m. 63. SOCIAL PSYCHOLOGY. B.S., Washington (Seattle), 63, M.S., 65; Ph.D. (psychol), Duke, 68. ASST. PROF. PSYCHOL, COL. WILLIAM & MARY, 68- Consult, east. region, Va. Higher Ed. Law Enforcement Adv. Cmt, 69- Assoc. Psychol. Asn; Soc. Psychol. Study Social Issues. Defensive attribution, particularly of responsibility for accidents; social comparison processes; crowd behavior; social problems. Publ: Co-auth, Factors affecting the choice of a comparison other, 5: 219-232 & auth, Redress and conscientious ness in the attribution of responsibility for accidents, 6: 100-110, J. Exp. Soc. Psychol; Defensive attribution: effects of severity and relevance on the responsibility assigned for an accident, J. Personality & Soc. Psychol, 14: 101-113. Address: Dept. of Psychology, College of William and Mary, Williamsburg, Va. 23185.

- SHAW, DR. CARL E, b. Billett, Ill, Sept. 7, 16; m. 37; c. 6. PSYCHOLOGY. B. Ed, East. Ill. Univ, 36; M.A, Miami (Ohio), 46; Ph.D. (psychol, ed), Purdue, 54. Dir. voc. ed, Batesville, Ind, 46-51; Sullivan, Ind, 51-54; assoc. dir. counseling center, Bowling Green State, 54-57; dean men, 5t. Petersburg Jr. Col, 57-63; dean students, Milligan Col, 63-66; dir. counseling center, Indiana State, 66-67; from asst. prof. to PROF. PSYCHOL, TENNESSEE STATE, 67- Nat. Sci. Found, fel. Fla. State, 65. Psychol. Ann. Address: Dept. of Psychology, Tennessee State University, Johnson City, Tenn. 37601.
- SHAW, EUGENE F, S.J. Sociology, Communications. See L-Z Vol., 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof. commun. & v.chmn. dept. commun. arts, Dept. of Communication Arts, Fordham University, Bronx, N.Y. 10458.
- SHAW, DR. JOSEPH F, b. Omaha, Nebr, Sept. 4, 32; m. 58; c. 3. ECONOMICS. B.A, California, Los Angeles, 58, M. A, 59, Int. Bus. Mach. Corp. fel. 59-60, Ph. O. (econ), 69. Economist, Tidewater Oil Co, 60-61; N. Am. Rock-well Corp, 62-64; sr. assoc, Planning Res. Corp. 64-65; SR. TECH. SPECIALIST, N. AM. ROCKWELL CORP, 66- U.S.A, 54-57. Econ. Ass.; Statist. Asn. Application of economic theory to public policy; international monetary theory. Address: 3724 Carmona Ave, Los Angeles, Calli. 90016.
- SHAW, DR. LAWRENCE H, b. Wallace, Idaho, Aug. 3, 40; m. 62; c. 2. ECO-NOMICS. A.B, George Washington, 61; A.M, Harward, 63, Ph.D. 64. Economist, U.S. Dept. Agr, 62-65; asst, prof. econ, Vanderbiti, 66-68; ECONO-MIST, B.F. GOODRICH CO, 68- Econ. Ass, Economet. Soc; Statist. Asn. Quantitative economics. Address: 500 S. Main St. Akron, Ohio 44318.
- SHAW, DR. SUE OLINGER, b. Olinger, Va, Aug. 22, 40; m. 62; c. 3. ECO-NOMICS. A.B, Virginia, 61; A.M, Harvard, 63, Ph.D. (econ), 67. Labor economist, U.S. Dept. Labor, summer 61; fiscal economist, U.S. Bur. Budaget, summer 62; res. assoc, Center Planning & Econ. Res., Athens, Greece, 64-66; asst. prof. econ, Middle Tenn. State, 67-69; DIR. BUR. BUS. RES, AKRON, 69- Vis. lectr, Vanderbilt Univ, 67-68. Econ. Asn, Royal Econ. Soc. Labor economics and public finance. Publ: Wage structure in Greek manufacturing, Center Planning & Econ. Res, Greece, (in press). Address: School of Business, University of Akron, Akron, Ohio 44304.
- SHAW, DR. WILLIAM H(OWARD). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 2304 Riddle Ave, Wilmington, Del. 19806.
- SHAY, PROF. CARLETON B(ARKER), b. Berkeley, Calif, Jan. 26, 24; m. 50; c. 2. EDUCATIONAL PSYCHOLOGY. B.S, California, Los Angeles, 48, M.Ed, 50, Ed.D. (ed. psychol), 60. Psychometrist, City Schs, Santa Monica, Calif, 51-52; teacher, high sch, 52-54, dir. testing & counsr, 54-62; asst. 67, assoc. prof. 68-69, PROF. 69-, ASSOC. DEAN SCH, 67- Instr. Univ. California Exten, 51-55; U.S. Off. Ed. Mgt. Tools Training Prog. Southern Illinois, 69. Consult, Syst. Develop. Corp. 60-65. Mem. cmt. eval. ed. res, Am. Ed. Res. Asn, 62-64. U.S.A, 43-45. AAS; Nat. Coun. Measurement in Ed. Programmed instruction; research methodology; educational measurement. Publ: A study of a high school student who completed a college prep curriculum, Calif. J. Ed. Res, 60 & Relationship of intelligence to step size on a teaching machine program, J. Ed. Psychol, 60; co-auth, The quality of educational research, Ed. Researcher, 67. Address: School of Education, California State College at Los Angeles, 5151 State College Dr, Los Angeles, Calif. 90032.
- SHAY, PROF. THEODORE L, b. Portland, Ore, Oct. 5, 26; m. 52; c. 5. POLITICAL SCIENCE. B.S, Northwestern, 50, M.A. 51, Fetzler fel, 54-55, Ph.D. (polit. sci), 55. Asst. prof. POLIT. SCI, WILLAMETTE, 56-58, assoc. prof., 58-61, PROF, 61- Guggenheim fel, 58-59, lectr. int. Col. Commerce, Tokyo, 68. Consult, Ore. Pub. Welfare Cmn, 61; Ore. Dept. Transportation, 69. U.S.A. Af., 44-46. South Asia and the Far East, foreign affairs of developing areas. Publ: The legacy of the Lokamanya, Oxord, 56; Pakistan, India, Red China, Emphasis, 65; Nor-alignment 31, neutralism New Polit, 68. Address: Dept. of Political Science, Williamette University, Salem, Ore. 97301.
- SHEA, PROF. JOHN C, b. Bradford, Pa, May 9, 36; m. 60; c. 3. POLITICAL SCIENCE. B.A, Allegheny Col., 58; M.A. Pennsylvania, 60; Pittsburgh, 64-70. Third secy, U.S. Embassy, Montevide, 61-63; instr. POLITI. SCI, Pittsburgh, 63-67; ASSOC. PROF, WEST CHESTER STATE COL., 67- Consult, Nat. Cmt. Sane Nuclear Policy. Polit. Sci. Asn. Political socialization; learning of political attitudes at high school level. Address: Dept. of Political Science, P.O. Box 2482, West Chester State College, West Chester, Pa. 19380.
- SHEA, PROF. J(OHN) WHITNEY. Economics, Sociology. See L.-Z Vol., 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Division of Social Science, Houghton College, 20 Campus Heights, Houghton, N.Y. 14744.
- SHEA, DEAN JOSEPH AUGUSTINE, b. Cambridge, Mass, July 2, 18; m. 45; c. 2. PSYCHOLOGY. B.S, Boston Col, 42; M.A, Harvard, 45; Ph.D.(psy-chol, ed), Catholic Univ, 55. Instr., ir-sr. high sch, Mass, 42-43; Wayside Inn Sch, 43-44; high sch, 44-48; Catholic Univ, 48-50; asst. prof, WORCESTER STATE COL, 50-51, assoc. prof, 51-55, PROF, PSYCHOL, CHMN. DEPT. & ACAD. DEAN, 55- Spec. instr, Simmons Col, 47-48; instr, univ. exten., Commonwealth Mass, 50-54, teacher col. exten, 54- Instr. sch. nupsing, Worcester City Hosp, Mass, 54- Factor analysis; child emotional problems; learning theory. Address: Dept. of Psychology, Worcester State College, 486 Chandler St, Worcester, Mass. 01602.
- SHEARD, DR. MICHAEL HENRY, Psychiatry, Neuropharmacology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- SHEARER, DEAN WARREN W(RIGHT). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: V.pres, admin, 69-, Dolly Madison Industries, Inc, Suite 1000 Lafayette Bidg, Philadelphia, Pa. 19106.

- SHEEHAN, DR. T(IMOTHY) JOSEPH, b. Boston, Mass, Sept. 26, 35; m. 64; c. 1. EDUCATION, PSYCHOLOGY. A. B. St. John Sem., 59; M. A. Boston Col., 62; NDEA fel. & Ph.D., Chicago, 55. Res. aset, Chicago, 62.-55; ASSOC. ED. & ASST. PROF. MED. ED. CASE WESTERN RESERVE, 65. ASSOC. DIR, DIV. RES. MED. ED. 67. Inst., Illinois, 64. Consult, Am. Hemat. Soc., 63-70; Cuyahoga Community Col., 67; Pace Asn., Cleveland, Dhio, 68-70; res. div., Cleveland Pub. Schs. & Nat. Prog. Dermat, 69-70. Ed. Res. Asn., Psychol. Asn. Statist. Asn., Nat. Coun. Measurement in Ed; Psychomet. Soc. Research design; evaluation theory and procedures; instructional theory and practices in mathematics and medicine; the application of multivariate statistical techniques; measurement of intellectual aspects of school climate. Publ: Patterns of sex differences in mathematical problem solving, J. Exp. Ed, summer 68, Toward an instructional software, J. Ed., 4/69 & Toward a software of evaluation: the many faces of evaluation, Am. Psychol. Asn. Proc., summer 70. Address: Division of Research in Medical Education, Case Western Reserve University, 2107 Adelbert Rd, Cleveland, Ohio 44106.
- SHELDON, DR. CHARLES S(TUART), II. Economics. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Chief sci. policy res. div, legis. reference serv, Library Cong, 69- Address: 3507 N. Piedmont St, Arlington, Va. 22207.
- SHELDON, DR. ERIC, b. Vienna, Austria, Jan. 15, 32; U.S. citizen; m. 69; c. 2. PSYCHOLOGY. B.A, Brooklyn Col. 54; M.S, Syracuse, 60, Ph.D. (psychol), 68, Sch. psychologist, Bd. Coop. Ed. Serv, Chautauqua County, N.Y, 60-62; ASST. PROF. PSYCHOL, State Univ. N.Y. Col. Cortland, 63-65; Wis. State, Stevens Point, 65-68; STATE LNIV. COL. PLATTSBURGH, 68-Summer consult, Head Start Prog., 67, 68; psychol. consult, Clinton Prison Hosp, 68- U.S.A, 55-55. Psychol. Asn. Parental and student attitudes and relationships to selected behaviors; creativity. Address: Dept. of Psychology, State University of New York College at Plattsburgh, Plattsburgh, N.Y. 12901.
- SHELDON, DR. PAUL EDWARD, b. Beverly, Mass, Jan. 11, 43; m. 67. EX-PERIMENTAL PSYCHOLOGY. B.S, Tutts, 63; M.A, Princeton, 65, Ph.D. (exp. psychol), 66. Instr. PSYCHOL, VILLANOVA, 66-67, ASST. PROF, 67- Psychol. Asn. Sensori-perceptual processes, especially communication by touch and hearing. Address: Dept. of Psychology, Villanova University, Villanova, Pa. 19085.
- SHELL, DR. KARL, b. Paterson, N.J., May 10, 38; m. 62; c. 2. ECONOM-ICS. A.B. Princeton, 60; Ph.D. Iecon), Stanford, 65. Systs. analyst, Proter & Gamble Co, summer 59; staff economist, Coun. Econ. Adv, 62; acting instr. ECON, Stanford, 62-63; asst. prof, Mass, Inst. Tech, 64-67; assoc. prof, 67-68; PENNSYLVANIA, 68-70, PROF, 70- Econ. Asn; Economet. Soc; Econ. Study Soc. Inventive activity, industrial organization and growth: pure theory of price indices; economics of higher education; economic theory: mathematical economics. Publ. Ed., Essays on the theory of inventive activity and capital accumulation, Am. Econ. Rev. 5,66; co-auth, The allocation of investment in a dynamic economy, Quart. J. Econ, 11/67. Address: Dept. of Economics, University of Pensylvania, Philadelphia, Pa. 19104.
- SHELLEY, DR. ERNEST L. V. Clinical Psychology. Penology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Prof. psychol, Olivet Col, 69-; chief psychologist, Michigan County Juvenile Court, 69- Address: 1026 N. Lawn, East Lansing, Mich. 48823.
- SHELLOW, DR. ROBERT. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Dir, pilot dist, proj. D.C. Dept. of Pub. Safety, 68-Address; 3752 Oliver St. N.W., Washington, D.C. 20015.
- SHELTON, PROF. AUSTIN J(ESSE), b. St. Louis, Mo, May 15, 26; m. 47; c. 2. ETHNOLOGY, LITERATURE. B.S. St. Louis, 49, fels, 49-54, Ph.D. (lit, hist), 55. Asst. prof. English, Mercy Col., 54-57, assoc. prof. 57-59, prof. lit, 59-60, asst. dean, 58-60; sr. lect. Am. studies, Nigeria, 61-64; vis. prof. English, Pt. Hays Kans. State Col., 64-65; PROF. AFRICAN STUDIES. STATE UNIV. N.Y. COL. NEW PALTZ, 65- Ford Ed. Forum scholar, 56-U.S. Agency Int. Develop. res. grant, 62-63; State Univ. N.Y. res. grants, 65-67 & 68-70, fel, 68- U.S.C.G, 43-46. Fel. African Studies Asn: Anthrop. Asn. Ethnology; West African religion: African literature. Publ: Hangman's song, 60 & Martin's land, 61, Chilton; African assertion, Odyssey, 68. Address: Dept. of African Studies. State University of New York College at New Paltz, New Paltz, N.Y. 12561.
- SHELTON, PROF. DAVID H(OWARD). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dean, 70-, School of Business & Economics, University of North Carolina at Greensboro, Greensboro, N.C. 27412.
- SHENEFIELD, DR. HALE T(HUREL). Economics. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New information: Retired, 69. Address: 3136 Newark St. N.W, Washington, D.C. 20008.
- SHEPARD, MILLS. Economics, Marketing. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Sr. consult, Mkt. Res. Assocs, N.Y, 69-Address: 785 Via Lombardy, Winter Park, Fla. 32789.
- SHEPHERD, DR. GEORGE WILLIAM, JR. Political Science. See L-Z Vol. 11th ed. Soc. & Behay. Vols. New information: Also dir, 69-, Center on International Race Relations, Graduate School of International Studies, University of Denver, Denver, Colo. 80210.
- SHEPHERD, DR. JAMES FLOYD, JR, b. Walla Walla, Wash, May 21, 36: m. 56; c. 3. ECONOMICS, ECONOMIC HISTORY. A.B, Stanford, 58; m. 40; washington (Seattle), 64, 50c. Sci. Res. Coun. fel, 64, ph. D. (econ), 66. AAST. PROF. ECON, British Columbia, 65-66; PURDUE, 66- Nat. Sci. Found, gran, 68-69. U.S.A, 59-61, 18 t.L. Econ. Asn; Econ. Hist. Asn. American economic history. Publ: A balance of payments for the thirteen colonies, 1786-1762: a summary, J. Econ. Hist. 1265. Address: Dept. of Economics, Purdue University, Lafayette, Ind. 47907.

- SHER, DR. WILLIAM, b. China, May 3, 23; U.S. citizen. ECONOMICS. M.A., Minnesota, Minneapolis, 59, Ph.D.(econ), 67. Instr. ECON, Minnesota, Minneapolis, 63; Montana State, 63-64, asst. prof., Northern Michigan, 64-65; asst. assoc, Alberta, 65-68; ASSOC. PROF. DUQUESNE, 68-. Income distribution theory and regional employment of labor and land use. Publ: Co-auth, Manpower problems and economic opportunites in an adjusting regional economy, Northern Michigan Univ, 65; audi, The cost of capital and Economics, Duqueste University School of Business Administration, Pitts-burch. Pa. 18219.
- SHERIDAN, DR. EDWARD PATRICK. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. prof. counseling center, Illinois, Chicago, 68- Address: 1819 W. Thome, Chicago, Ill. 60826.
- SHERLOCK, DR. JOSEPH R(USSELL). Psychology. See L-Z Vol, 11th ed, Soc. & Biol. Vols. New position: Assoc. prof. philos, lib. arts col, Fordham, 69- Address: 2685 Briggs Ave, Bronx, N.Y. 10458.
- SHERMAN, DR. EDITH. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address; General Classroom Bldg (GCB) 448, University of Denver, Denver, Colo. 80210.
- SHERMAN, DR. ROBERT, b. Brooklyn, N.Y. Dec. 7, 28; m. 54; c. 3. COUN-SELING PSYCHOLOGY, EDUCATION. B.S. Rutgers, 50, M.Ed. 52, Howard Savings Instr. Lel, 57-59. Ed.D. (counseling), 60. Teacher, high schs, N.J., 50-51 & 55-56; farmer, 51-53; teacher, jr. high sch, N.J., 56-57; counsr, high sch, 57-60; asst. prof. COUNSR. ED. Yeshiva, 60-62; QUEENS COL, 62-69, ASSOC. PROF. 70- Fel, center human develop, Hebrew Univ. 67-; dir. U.S. Off. Ed. training insts. on counseling disdvantaged youth & urban sch. counseling, 68-71; participant, U.S. Off. Ed. Proj. Impact, 69; U.S. Off. Ed. Leadership Training Inst. 70, vis. prof, Maimi [Fla]; Fla. State; Rutgers; Newark State Col; dir. training, Relationship Develop. Center. U.S.A.F. R., 50-60, Ut. Psychol. Asn; Personnel & Guid. Asn; Asn. Counsr. Ed. & Supv. Design and development of counselor training programs; design of teaching-learning environments; applications of sensitivity and encounter techniques to education; interpersonal communication and behavior; psychosocial development; individual and group counseling. Publ: Counseling disadvantaged youth, U.S. Off. Ed., 69; Exploratory experiences in group guidance, 63 & Teacher-counselor communication, 69, Sch. Counsr. Address: 69-16 228th St, Bayside, N.Y. 11364.
- SHERMAN, DR. ROGER. Economics, Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof., Dept. of Economics, University of Virginia, Charlottesville, Va. 22903.
- SHERMAN, DR. ROSALYN SYLVIA. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- SHERMAN, DR. STEVEN J(AMES), b. Boston, Mass, May 16, 42; m. 63; c. 2. SOCIAL PSYCHOLOGY. B.A, Harvard, 63; U.S. Pub. Health Serv. fel, Michagan, 65-67, M.A., 66, Ph.D. (soc. psychol), 67. ASST. PROF. PSYCHOL, INDIANA, BLOOMINGTON, 68-Psychol. Asn. Social influence and attitude change, especially in terms of consistency theory approaches; individual and group decision making. Address: Dept. of Psychology, Indiana University, Bloomington, Ind. 47401.
- SHERMAN, DR. SUSAN R(OTH). Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Sr. res. scientist psychol, 69-, Mental Health Research Unit, New York State Dept. of Mental Hygiene, 44 Holland Ave, Albany, N.Y. 12208.
- SHERRY, PROF. BEN B, b. Apr. 23, 14; U.S. citizen; m. 36; c. 2. ECONOMICS, BUSINESS ADMINISTRATION. B.S, U.S. Coast Guard Acad, 36; M.B.A, Southern California, 50. Chief cost acct, Cert. Grocers, Calif, 50-56, opers, res. analyst, 56-57; mgr. & sr. financial analyst, financial planning dept. Electro-Data Div, Burroughs Corp., 57-63; instr. ECON. & BUS. ADMN, CHAPMAN COL, 63-67, ASST. PROF. 67. U.S.C.G, 36-48, Comdr. Acct. Asn. Nat. Asn. Acct. Management and budgetary controls and quantitative methods as applied to these areas. Publ: Instructors manual accompanying Personal finance, Wiley, 69. Address: 6471 Fairlynn Blvd, Yorba Linda, Calif. 32686.
- SHERTER, DR. SIDNEY R. History. See Suppl. 1 to 5th ed, Dir. Am. Scholars.
- SHEVITZ, DR. REUBEN NATHAN. Industrial Psychology. See L.-Z Vol, 11th ed, 50c. & Behav. Vols. New position: Dir. personnel & orgn. develop, 69-, Eli Lilly & Co, 307 E. McCarty St, Indianapolis, Ind. 46206.
- SHIELDS, DR. CHARLES FRED, b. Bowling Green, Ky, Oct. 26, 36; m. 64; c. 1. CLINICAL & EXPERIMENTAL PSYCHOLOGY. B.A, Western Kentucky, 59; Ph.D. (clin. psychol), Alabama, 67. Supply mgr, Brookley Air Force Base, Mobile, Ala, 59-62; intern psychol, Bryce Hosp, Tuscaloosa, 65-66; clin. psychologist, Montgomery Ment. Health Center, 67; assoc. prof. psychol, Ala, Agr. & Mech. Col, 67-68; clin. psychologist, Madison County Ment. Health Center, Huntsville, Ala, 68-69; ASSOC. PROF. PSYCHOL, ALABAMA A&M, 69-Psychol. Asn. Psychotherapy and development of human resources; communication especially in therapeutic relationships; semantics. Address: Dept. of Psychology, Alabama A&M University, Normal, Ala. 35762.
- SHIELDS, MURRAY. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 601 N.E. Silver Lane, Boca Raton, Fla. 33432.
- SHIELDS, PROF. MURRAY W(ILLIAM). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Economics, Brigham Young University, 302 Jesse Knight Bidg, Provo, Utah 34601.
- SHIFFMAN, PROF. MAX. Mathematics, Aerodynamics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

- SHILLING, SAMUEL P(AUL). Speech Pathology, Audiology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- SHILOH, PROF. AILON. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Dept. of Anthropology, University of Pittsburgh Graduate School of Public Health, Pittsburgh, Pa. 15213.
- SHILS, DR. EDWARD B. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Chmm, dept. of indust, Whorton Sch, Pennsylvania, 68- Address: 335 S. Woodbine, Pennsylvania Valley, Narberth, Pa. 19072.
- SHIMA, DR. FRED, b. Los Angeles, Calif, Sept. 9, 41. PSYCHOLOGY. B.A. California, Los Angeles, 63, M.A, 65, Ph.D. (psychol), 68. PSYCHOLOGIST, SOUTHWEST REGIONAL LAB, 68. PSychol. Asn. Verbal learning: experimental psychopathology; educational psychology. Publ: Sex, stimulus, association strength, duration and rate of semantic satiation, Psychonomic Sci. 66; Category clustering in incidental learning, J. Exp. Psychol, 69; Word association in connected discourse, Southwest Regional Lab. Tech. Report, 69. Address: Southwest Regional Lab. Tech. Report, 69. Calif. 90.30.
- SHIMKUNAS, DR. ALGIMANTAS M, b. Chicago, Ill, Jan. 16, 40; m. 63; c. 1. CLINICAL PSYCHOLOGY. B. S. St. Louis, 62; M. S. 64, Ph. D. (psychol), 67. U.S. Pub. Health Serv. 16, Connecticut, 67-68; ASST. PPOF. PSYCHOL, MISSOURI-COLUMBIA, 68- Res. consult, Am. Tel. & Tel. Co. & N. J. Bell Tel. Co, 67 AAS; Psychol. Asn. Anxiety and uncertainty; internal versus external control of reinforcement; risk-taking and achievement motivation; expectancy theory; cognitive deficit in schizophrenia. Publ: Coauth, Age and MMPI performance, J. Consult. Psychol, 66 & Schizophrenic responses to the Proverbs Test; abstract, concrete or autistic, J. Abnorm. Psychol, 67; auth, Anxiety and expectance change: the effects of failure and uncertainty, J. Personality & Soc. Psychol, (in press). Address: Dept. of Psychology, University of Missouri, Columbia, Mo. 65201.
- SHIMM, PROF. MELVIN G(ERALD). Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- SHIN, DR. PAUL Y. H, b. Seoul, Korea, Jan. 27, 31; m. 59; c. 3. ECO-NOMICS. M.A, Yonsei, Korea, 63; Ph.D.(econ), Nebraska, Lincoln, 68. Researcher banking, Korean Indust. Bank, 59-63; asst. ECON, Nebraska, 63-67; instr, Drake, 67-68; ASST. PROP, HAWAII, 68- Econ. Asn. Competitive situation in Southeast Asian trade and cooperative prospects. Publ: The significance of the role of insurance in developing economics with special emphasis on Korea, Univ. Nebraska, 68; Analytical theories of underdeveloped economics, 12/69 & Development of insurance in Korea since 1945 with implications for developing nations, 12/70, Korean Econ. Rev. Address: Dept. of Business Economics, University of Hawaii, Honolulu, Hawaii 96022.
- SHINKMAN, DR. CHRISTOPHER J, b. New York, N.Y, May 19, 40; m. 65. HIGHER EDUCATION, EDUCATIONAL PSYCHOLOGY. B. A. Thiel Col, 62; M.E.d, Westminster Col. (Pa), 65; Ph.D. (higher ed. admin.) Pittsburgh, 69. Asst. dir. admissions, Bittsburgh, 69. 67; COUNSR, SCH. INDUST. & LABOR RELS, CORNELL, 67- U.S.M.C.R, 58-62. Personnel & Guid. Asn; Study of college student attitudes and changes in these attitudes that may occur along with college attendance. Address: Cornell University School of Industrial and Labor Relations, 101 Ives Hall, Intaca, N.Y. 14850.
- SHINKMAN, DR. PAUL G. Physiological Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- SHISKIN, JULIUS. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Asst. dir. statist. policy, U.S. Bur. Budget, 69-; U.S. rep, UN Statist. Cmn, 69- Address: 8920 Whitney St, Silver Spring, Md. 20901.
- SHIVELY, DR. STANLEY EDWARD, b. Detroit, Mich, Jan. 13, 30; m. 57; c. 2. SOCIOLOGY. B.A, Colorado, 55, M.A, 57; Ph.D.(sociol), Pittsburgh, 66. Human factors specialist, Syst. Develop. Corp. 59-61; res. assoc. SOCIOL, Pittsburgh, 61-65; asst. prof. Oklahoma, 65-68; assoc. prof. Oregon State, 68-70; MEM. STAFF, CHINESE UNIV, HONG KONG, 70- Res. assoc. Am. Inst. Res., Pa, 62-63; assoc. dir, inst. group rels, Univ. Oklahoma, 66-68, res. consult, 67. U.S.A.F, 50-54, S/Sgt. Sociol. Asn; Asn. Pub. Opinion Res. Psychological worlds in which people live, their temporal and spatial horizons and corresponding behavioral patterns; political processes of societal change, particularly social movements and revolutions. Publ. Co-auth, Anticipated changes in Communist nations, auth, Perceived economic and military strength of nations & Analysis of cold war outcomes which the major powers are seen as destring most and least, U.S. Air Force Off. Sci, Res., 62. Address: Dept. of Sociology, Chinese University of Hong Kong, Kowloon, Hong. Kong.
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- tal research on the nature of learning and cognitive development in children Publ: Co-auth, Incidental learning; a developmental study, Child Develop, 66 & Attentional differences in children's incidental learning, J. Ed. Psychol, 69; Attention: In, Encyclopedia of education, MacMillan, (in press). Address: Dept. of Psychology, University of Pittsburgh, Pittsburgh, Pa. 15213.
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- SILVERMAN, DR. JULIAN, b. Bronx, N.Y. Mar. 15, 33; m. 57; c. 3. EX-PERIMENTAL PSYCHOPATHOLOGY, PSYCHOLOGY. B.B.A, Baruch Sch, City Col. New York, 38; M.A, Michigan, 61, Nat. Inst. Ment. Health fel, 61-62, Ph.D. (psychol), 62. Vet. Admin. fel. perception, Vet. Admin. Hosp, Palo Alto, Calif., 62-65; res. psychologist, adult psychiat. br, clin. invests, Nat. Inst. Ment. Health, Betheada, Md. 65-67, chief, sect. perceptual & cognitive studies, 67-69; RES. SPECIALIST, AGNEWS STATE HOSP, SAN JOSE, STATE DEPT. MENT. HYG. CALIF, 69- VIs. lectr; Santa Clara, 64; California, Santa Cruz, 68; med. sch, Chicago, 69-; res. dir, Esalen inst, Big Sur & San Francisco, 70- Consult. ed, Jour. Schizophrenia, 67-; Jour. Nervous & Ment. Disease, 68-; spec. consult, adult psychiat. br, Nat. Inst. Ment. Health, 69-; study sect, Personality & Cognition Res. Rev. Cmt, 70. U.S.A, 53-55. Psychol. Asm. Relationships between perceptual and sensory processes and underlying neurophysiological process; attention, perception and altered states of consciousness; neuropsychopharmacology. Publi: Co-auth, Stimulbus intensity control and the cortical evoked response, Psychosom. Med, 2/68; auth, A paradigm for the study

of altered states of consciousness, Brit. J. Psychiat, 10/68; Attention styles and the study of sex differences, In: Attention: contemporary studies and Analyses, 70, Appleton. Address: 15147 Elm Park, Monte Sereno, Calif. 95030.

SILVERMAN, DR. MITCHELL, b. Denver, Colo, July 12, 40; m. 67. PSY-CHOLOGY. B.A, Denver, 63; Inst. Sci. Res. fel, New Mexico Highlands, 63-64, M.S, 65; U.S. Dept. Health, Ed. & Welfare fel, Ohio State, 66-66, Ph.D. (psychol), 68. Intern, Los Lunas Training Sch. & Hosp, N.Mex, 64-65; teaching asst. psychol, Ohio State, 65-66; RES. ASST. PROF, INST III: EXCEPT. CHILDREN & ADULTS, SOUTH FLORIDA, 68- Res. assec, Denver, summer 66. Psychol. consult, div. maternal & child health, State Dept. Health, Ohio, 67-68; consult, State Div. Youth Serv, Fla. & Manatee County Sch. Syst, 69-Psychol. Asn; Soc. Res. Child Develop; Asn. Ment. Deficiency; Counc. Except. Children. Juvenile delinquency; allenation research; mental retardation. Publ: Developmental trends in the vocational interests of special education and normal students, J. Genetic Psychol, (in press). Address: Institute III: Exceptional Children & Adults, University of South Florida, Tampa, Fla. 33520.

SILVERMAN, DR. PHILIP, b. Winthrop, Mass, Sept. 20, 34; m. 62; c. 2. AN-THROPOLGY. B.A, Oklahoma, 57; Mainz, 59-60; Soc. Sci. Res. Coun. fel, Cornell, 66-67, Ph.D. (anthrop), 68. ASST. PROF. ANTHROP, CTTY COL. NEW YORK, 68- U.S.A, 57-59. Anthrop. Asn. Tribal-national relations and political modernization in new nations, particularly Africa. Address: Dept. of Anthropology, City College of New York, New York, N.Y. 10031.

SILVERS, DR. RONALD JAY, b. New York, N.Y. Oct. 19, 33; m. 58. SO-CIOLOGY. B.A. Texas. Austin, 58, M.A., 69; Johns Hopkins, 60.61; Univ. Wilson tels. & M.A., Princeton, 63, Ph.D. (sociol), 70. Instr. SOCIOL, Connecticut, 63.64; from lectr. to ASST. PROF, McMaster, 64-67; BRITISH COLUMBIA, 67- U.S.A., 53-55. Sociol. Asn, Can. Sociol. & Anthrop. Asn; Int. Inst. Sociol. Sociology of art, artists and intellectuals; sociology of knowledge, especially social construction of reality; mass movements, especially student protest. Publ: Co-auth, Three cultures and the student revolution, Cmn. on Rels. between Univs. & Govt, 70; auth, The modern artist's associability; constructing a situated moral revolution, in: Deviance and respectability, Basic Books, 70; Structure and values in the explanation of acculturation rates, in: Minority responses, Random, 70. Address: Dept. of Sociology, University of British Columbia, Vancouver 8, B.C, Can.

SILVERS, DR. STUART. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

SILVERTHORN, DR. LEE J(AMES). Clinical Psychology. See L.-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Adj. prof, Memphis State, 67-Address: 211 Cochran, Apt. 23, Memphis, Tenn. 38105.

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SIMMONS, DR. JAMES CARLTON, b. Lucedale, Miss, Apr. 11, 20; m. 50; c. 2. ECONOMICS. Ph.B. Wisconsin, 48; M.Sc. London, 50; Ph.D.(econ), 67. Assisting the protein of Gald Mohile & Ohio R.R. 50-52; labor economist, U.S. Assisting the property of the protein of Gald Mohile & Ohio R.R. 50-52; labor economist, U.S. David, Israel, 54-56; chief res. officer manpower res. & head res. dept, Israel Inst. Productivity, 56-66; ASSOC. PROF. ECON, FLA. STATE, 67-Lectr, Hebrew Univ. Jerusalem, 57-60; Afro-Asian Inst, Tel-Aviv, 60; U.S. Off. Ed. grant, 68-69. Mem, pub. adv. cmt, Israel Cent. Bur. Statist, Jerusalem, 58-60; sub-cmt. wages & productivity, Israel Govt. Interministerial Cmt. Productivity, 62-63; manpower adv. cmt, Israel Ministry Labor, 63-64. Econ. Hist. Asn. Manpower problems related to economic development. Publ: Ed, Source book on industrial relations in Israel, Hebrew Univ. Jerusalem, 69; auth, Labor relations and productivity, Israel Productivity, Inst., 65 & The ways of immigrant integration in industry, In: Integration of immigrants, Magnes, Hebrew Univ., 69. Address: Dept. of Economics, Florida State University, Tallahassee, Fla. 32306.

SIMMONS, DR. JAMES QUIMBY, III, b. Philadelphia, Pa, Apr. 16, 25; m. 54; c. 4. PSYCHIATRY. B.S, Rutgers, 48; M.D, Bowman Gray Sch. Med, Wake Forest, 52. Intern, Walter Reed Army Med. Center, 52-53; asst. prof. in residence PSYCHIAT, NEUROPSYCHIAT, INST, CENTER FOR HEALTH SCI, UNIV. CALIFORNIA, LOS ANGELES, 64-88, ASSOC. CLIN. PROF, 68-, ASSOC. PROC. DIR. MENT. RETARDATION, 68-, chief psychiatrist, 62-68. Attending psychiatrist, Vet. Admin. Center, Los Angeles, 65- U.S.A, 43-46, 52-55; Nat. Guard, 36-, Col. AAAS; fel. Psychiat. Asn. Behavior modification in schizophrenic and retarded children utilizing reinforcement principles and pharmacologically active agents. Publ: Co-auth, Modification of autistic behavior with LSD-25, Am. J. Psychiat, 122: 1201-1211; auth. Emotional problems in mental retardation, Pediat. Clin. N.Am, 15: 957-967; co-auth, Manpulation of self-destruction in three retarded children, J. Appl. Behav. Anal, 2: 143-157. Address: The Neuropsychiatric Institute, University of California at Los Angeles Center for Health Sciences, 760 Westwood Plaza, Los Angeles, Calif. 90024.

SIMMONS, DR. JERRY LAIRD. Sociology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Asst. prof., California, Davis, 68-; dir. pub. div, Dianetics & Scientology. Address: Dept. of Sociology, University of California, Davis, Calif. 95616.

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SIMMONS, WALT R. Mathematical Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1525 Belle Haven Rd, Alexandria, Va.

SIMMS, DR. JAMES CARROLL, b. Washington, D.C, Dec. 15, 28; m. 60; c. 2. SOCIOLOGY. A.B, Maryland, 56, fel, 56-57, M.A, 57; fel, Emory, 60-61, Ph.D. (sociol), 62. Teaching asst. sociol, Emory, 59-60, instr, summer 60; lab. instr. statist, 61; asst. port. sociol, Millsaps 60, 61-63, Chm. dept, 62-63; lectr, Alabama, summer 63; asst. prof. Stephen F. Austin State, 63-65; ASSOC. PROF. SOCIOL, GEORGIA STATE, 65-, asst. to dean, 67-68. Lectr, Atlanta Univ, 69-70; Univ. Alabama, summer 63: U.S.N, 48-52. AAAS; fel. Sociol. Asn. Research methodology, particularly in the applications of statistics to the solution of research problems in the area of social organization. Publ: Co-auth, Sociological research applications of an algorithm for the coefficient of concordance, Am. Sociologist, 11/69; auth, A comparative procedure for identifying the needs of an urban center, 4/70 & The needs of the metropolitan area considered from a regional standpoint, 5/70, Atlanta Econ. Rev. Address: Dept. of Sociology, Georgia State University, 33 Gilmer St. S.E, Atlanta, Ga. 30303.

SIMNER, DR. MARVIN L(EROY), b. Kingston, Pa, Oct. 12, 36; m. 66. DE-VELOPMENTAL PSYCHOLOGY. B.A, Syracuse, 63; M.Sc, N.C. State, 64; Ph.D. (develop, psychol), Cincinnati, 67. Res. assoc. DEVELOP, PSYCHOL, lab. infant behav, North Carolina, Chapel Hill, 64-65; Brown, 67-69; ASST. PROF, WESTERN ONTARIO, 69. Nat. Inst. Child Health & Human Develop, res. fel, Brown, 67-69; Nat. Res. Coun. intern grant, 69-70, U.S.A, 58-62. Psychol. Asn, Soc. Res. Child Develop. Prenatal self-stimulation and postnatal peer stimulation on behaviors displayed by newborns. Publ: Relationship between cardiac rate and vocal activity in newly hatched chicks, J. Comp. & Physiol, Psychol, 61: 496-499; Age changes in preference for visual patterned stimulation in the newly hatched chick, Proc. Conv. Am. Psychol. Asn, 2: 107-108; Cardiac self-stimulation hypothesis and non-nutritive sucking in human infants, Develop. Psychol, 1: 599-575. Address: Dept. of Psychology, University of Western Ontario, London, Ont, Can.

SIMON, DR. ALEX J(OSEPH). Business, Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 70-, Dept. of Management & Marketing, University of Mississippi, University, Miss. 38677.

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SIMON, DR. MATTHEW. Economics, Economic History. See 11th ed, Soc. & Behav. Vols, deceased 68.

SIMON, DR. R(AFFI) GERALD. Biochemistry. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

SIMON, PROF. RITA JAMES. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. sociol. & commun, 58- & head, 59-, Dept. of Sociology, University of Illinois, 42 Lincoln Hall, Urbana, III. 61801.

SIMON, DR. ROGER I, b. New York, N. Y, Sept. 27, 42; m. 64; c. 2. PSYCHOLOGY. ADMINISTRATIVE SCIENCES. B.S. Carnegie Inst. Tech, 63; Ph.D. (admin. sci), Yale, 67. ASST. PROF. PSYCHOL, WAYNE STATE, 67-Psychol. Asn; Asn. Comput. Mach. Individual and group problem solving and decision making; computer models of cognitive processes; social and structural foundations of judgment and choice. Publ: Effects of different encodings on complex problem solving, J. Exp. Psychol, 1/70. Address: Dept. of Psychology, Wayne State University, Detroit, Mich. 48202.

SIMON, DR. SHELDON W. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept, of Political Science, University of Kentucky, 1649 Office Tower, Lexington, Ry. 40506.

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SIMONDS, DR. LOIS ANN, b. Lakewood, Ohio, June 28, 29. AGRICULTURAL ECONOMICS. B.Sc, Ohio State, 51, M.Sc, 58, Ph.D.Lagr., econ), 67; Kansas State, 64. Instr. AGR. ECON, OHIO STATE, 58-67, ASST. PROF, 68. County home demonstration agent, Ohio Coop. Ext. Serv, 51-57, ext. economist, 58- Agr. Econ. Ass; Mkt. Ass; Home Econ. Ass; Coun. Consumer Interests. Study of problems on consumers in area of food marketing as they relate to production and distribution, particularly in low income areas, both urban and rural. Publ. Variations in food costs in major Ohio cities, J. Consumer Affairs, 69. Address: 4923 Larwell Dr, Columbus, Ohio 43220.

SIMONS, DR. GENE R(OBERT), b. July 19, 36; U.S. citizen; m. 61; c. 3.

MANAGEMENT ENGINEERING, MANAGEMENT SCIENCE. B.S. Rensselaer
Polytech, 57, Ph.D. (ingt. sci), 69; M.S., Stevens Inst. Tech, 61. Planning
engr, West. Elec. Co, 57-61; indust. engr. Am. Cyanamid Co, 61-62; asst.
prof. indust. eng. New Haven Col, 62-65, chmn. dept, 65-66; inst. MGT,
RENSSELAER POLYTECH, 66-69, asst. prof. 69-70, ASSOC. PROF. 70Inst. Indust. Eng. State planning of research and development; technological
forecasting; hospital systems. Publ: Co-auth, Technology scanning, Conn.
Res. Cmn. Hartford, 10/68 & Vantage point: 2000 A.D., Rensselaer Rev. Grad.
Studies, 3/69. Address: School of Management, Rensselaer Polytechnic Institute, Troy, N.Y. 1218.

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SINGH, PROF. B(HAGWANT), b. Simla, India, July 23, 26; Can. citizen. ECO-NOMICS. B.A, Punjab, 45, M.A, 48; M.S, Cornell, 57; C.F.E.A.E, Ohio State, 58; Ph.D.(econ), Maryland, 62. Asst. prof. econ, Khalsa Col. Amritsar, Punjab, 52-55; res. asst, Maryland, 57-62; assoc. prof, Memorial Univ, 62-67; prof, Can. External Aid, Univ. West Indies, 67-68; GUEST PROF. ECON. DEVELOP, CHR. MCHELSEN INST, 69- Pel, Svimez Center for Studies on Econ. Develop, Italy, 64; Can. Coun. grant & fel, Inst. Econ. Res, Queen's Univ, 65; fel, Inst. Regional Sci, Univ. Karlsruhe, 70. Consult. economist, Covt. Newf. & Labrador, 62-63, govt. Ont, 66-88. Am. Econ. Asn, Regional Sci. Asn, Can. Inst. Int. Affairs; Can. Econ. Asn. Natural resource development; economic development; economic development, Publ: The competitive position of Maryland soybeans, Univ. Maryland, 6/62; A-propos des outils d'analyse du dévelopment economique effonal, L'Actualite Economique, 9/66; Italian experience in regional economic development and lessons for other countries, Econ. Develop. & Cultural Change, 4/67. Address: Chr. Michelsen Institute, Gl. Kalvedalsvei 12, 5000 Bergen, Norway.

SINGH, DR. DALJIT, b. Montgomery, India, Apr. 13, 42; m. 68. POLITICAL SCIENCE. B.A, Calif. State Col. Fullerton, 65; M.A, Claremont Grad. Sch, 66, Ph.D.(polit. sci), 70. Asst. prof. POLIT. SCI, Adams State Col, 67-69; ASSOC. PROF, BEMIDJI STATE COL, 69- Polit. Sci. Asn; Asn. Asian Studies. Military and modernization process in developing nations. Address: Dept. of Political Science, Bemidji State College, Bemidji, Minn. 56601.

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SINGH, DR. JASBIR MAHAJAN. Pharmacology, Psychopharmacology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

SINGHVI, DR. SURENDRA S, b. Jodhpur, India, Jan. 16, 42; m. 65; c. 1. FINANCE. B. Com, Rajasthan, 61; M.B.A, Atlanta, 63; Ph.D. (bus. admin), Columbia, 67. Instr. bus. admin, New Hampshire, 64-67; asst. prof. FINANCE, MIANIC
(OHIO), 67-69; assoc. prof. 69-70, ADJ. ASSOC. PROF, 70-, ASST. TO MGR,
ARMCO STEEL CORP, 70- Financial planning and analysis. Publ: Co-auth,
Frontiers of financial management, South-West. Publ., 71; auth, India's feeble
financial statements, Columbia J. World Bus, 11-12/67; Disclosure to whom?
Annual financial reports to stockholders and to the securities and exchange
commission, J. Bus, 7/68. Address: Dept. of Finance, Miami University,
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SINGLETON, DEAN FRANCIS SETH, b. Philadelphia, Pa, July 13, 40; m. 62; c. 2. POLITICAL SCIENCE. B.A, Harvard, 62; fels, Yale, 62-64 & 65-66, M.A., 63, Ph.D. (polit, sci), 68. Budget exam, int. div, U.S. Bur, Budget, 64-65; acting instr. POLIT. SCI, YALE, 66-67, LECTR, 67-, DEAN PIERSON COL, 66- Polit. Sci. Assi, African Studies Ass. International politics; relations among the African states as a subsystem in world politics; revolution and politics; relations among the African states as a subsystem in world politics; revolution and political change in non-Western countries; United States foreign and national security policy. Publ. Co-auth, Africa in perspective, Hayden, 67; auth, The Tambor verolt, 1320-1321, Slavic Rev, 9/66. Address: 1408 Yale Station, New Haven, Conn. 06520.

SINGLETON, DR. JOHN, b. Philadelphia, Pa, Aug. 7, 30; m. 53; c. 3. AN-THROPOLOGY, EDUCATION. A.B. Oberlin Col, 52; A.M. Haverford Col, 53; Mont. State Col, 53; Ford Found. For. Area fel, Stanford, 61-62, Ph.D. (int. develop, ed), 65. Teacher high Seh, N.Dak, 53-55; ed. specialist, U.S. Trust Territory Pac. Islands, 55-59; assoc. dir. int. develop. fels. & seminars, East. West Center, Hawaii, 63-66, ASSOC. PROF. int. & develop. ed, PITTSBURGH, 66-67, ANTHROP, 67-, CHMN. INT. & DEVELOP. ED. PROG, 66-Consult, Peace Corps Training for Micronesia, 67; summer, U.S. Trust Territory Pac. Islands, 67. Fel. Anthrop. Asn, fel. Soc. Appl. Anthrop. Comp. & Int. Ed. Soc. Japanese education, development education; educational anthropology. Publ. Nichu: a Japanese school, Holt, 67; Urban-rural comparisons in Japanese education, Int. Rev. Ed, 67; co-auth, Context of international development education, Rev. Ed. Res, 6/68. Address: International development education, Rev. Ed. Res, 6/68. Address: International Edvelopment Education Program, University of Pittsburgh, 165 Social Science Bild, Pittsburgh, Pa. 15213.

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Howard, 57; fel, Columbia, 61-62, Ph.D. (intr. declared for the college of the processor of the college o

SINHA, DR. KUMARES C. Urban Systems Engineering. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

SINHA, DR. ROHINI P(ATI), b. Pachahi, Bihar, India, July 3, 32; m. 64, c. 2. ECONOMICS. B.A, Bihar, 56; M.A., New Sch. Soc. Res, 61, Ph.D. (econ), 65. Asst. teacher, high sch. India, 57-68; lectr. ECON, City Univ. Ny, 64-65; asst. prof, MUHLENBERG COL, 65-70, ASSOC. PROF, 70- Am. Econ. Asn; Indian Soc. Labor Econ. Labor market; comparative labor movements, econometrics. Publ: The economics of brain drain, Manpower J, 6/68; Manpower crisis: the problem of educated unemployment, Seminar, 9/69. Address: Dept. of Economics, Muhlenberg College, Allentown, Pa. 18103.

SINKLER, DR. GEORGE. American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

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- LA. STATE, NEW ORLEANS, 67- Participant, Nat. Sci. Found. Summer Inst. Math. Psychol. Univ. Michigan, 67. Psychol. Asn. Basic percepual phenomena, including adaptation to homogeneous stimulation and contrast effects in space and object perception; systematization of perceptual theories; parametric studies of verbal elarning, especially of verbal discrimination. Publ: Co-auth, Motivational decentralization and conflict in the research laboratory, In: The research society, Gordon & Breach, 68; auth, Verbal discrimination learning and the length-difficulty law: a parametric study, Dissertation Abstracts, Vol. 28, No. 8; co-auth. Chromatic adaptation in the Ganzfeld, Proc. La. Acad. Sci. 32: 144-149; plus others. Address: Dept. of Psychology, Louisiana State University in New Orleans, Lake Front, New Orleans, La. 70122.
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- SIRJAMAKI, PROF. JOHN. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Sociology, State University of New York at Burfalo, 4224 Ridge Lea Rd, Amherst, N.Y. 14226.
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- SITES, DEAN JOHN E(DWARD). Sociology, Education. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dean, 68-, Brenau College, Gainesville, Ga. 30501.
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- SKANES, DR. GRAHAM R, b. St. John's, Newf, Dec. 15, 37; m. 64. PSYCHOLOGY. B.Sc., Memorial Univ, 59, B.A, 62; M.A, Dalhousie, 64; Ph.D. (psychol), Me-Gill, 68. Asst, prcf., psychol), MEMORIAL UNIV, 67-70, ASSOC. PROF. PSYCHOL. & DEPUTY DIR. INST. RES. HUMAN ABILITIES, 70. Address: Dept. of Psychology, Memorial University of Newtondland, 81, John's,
- SKEELS, DR. JOYCE GOLDY, b. Woodbury, N.J. Oct. 13, 27; m. 56; c. 2. ECONOMICS. B.A. Temple, 54; M.A., Wisconsin, 55, Ph.D. (econ), 63. Res. analyst, Nat. Bur. Econ. Res, 64; asst. prof. econ, Northern Illinois, 64-67; RES. ANALYST, 67- Econ. Asn. Monetary economics and reform; labor market economics; women and the labor market. Publ: The early AFL and monetary reform, J. Labor Hist, 70. Address: 9 Moraine Terr, De Kalb, Ill. 60115.
- SKELLY, DR. MADGE. Speech Pathology & Audiology, Theatre. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- SKEWES-COX, PROF. BENNET. Political Science, International Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Pres, Acad. World Studies, 99:; lectr. exten, California, Berkeley. New publ. Peace, truce, or war, Acad. World Studies, 70. Address: Monte Alegre, Box 145, Ross. Calif. 94957.
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- SKINNER, DR. DON COVILL. Religion, Political Science. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- SKINNER, PROF. ELLIOTT P, b. Trinidad, W.I., June 20, 24; U.S. citizen; m. 46; c. 4. ANTHROPOLOGY. B.A, N.Y. Univ, 51; M.A, Columbia, 52, Ph.D, 55. Ford Found. fel, 55-57; vis. asst. prof. anthrop, Columbia, 57-59, assoc. prof, 62-66; asst. prof. N.Y. Univ, 59-62; U.S. Ambassador,

- Upper Volta, 66-69; PROF. ANTHROP, COLUMBIA, 69- U.S.A, Sgt. Anthrop. Soc; African Studies Asn; African Heritage Studies Asn. Political change in African Societies; urbanization in Africa. Publ: The Mossi of the Upper Volta, Stanford Univ, 64; co-auth, A glorious age in Africa, Doubleday, 64. Address: Dept. of Anthropology, Columbia University, New York, N.Y. 10027.
- SKINNER, PROF. G(EORGE) WILLIAM. Cultural Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New publ: Co-ed, Modern Chinese Society: an analytical bibliography, Cornell, 69. Address: Dept. of Anthropology, Stanford University, Stanford, Calif. 94305.
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- SKINNER, DR. JAMES E(RNEST). Neurosciences. See Suppl. V to 11th ed, Phys. & Biol. Vols.
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- SKLARE, PROF. MARSHALL, b. Chicago, Ill, Oct. 21, 21; m. 47; c. 3. SO-CIOLOGY. M.A, Chicago, 48, Ph.D, Columbia, 53. Study dir, Am. Jewish Cmt, 53-55, dir. div. sci. res, 56-66; PROF. sociol, Yeshiva, 66-70; AM. JEWISH STUDIES, BRANDEIS, 70- Fulbright lectr, Hebrew Univ. 65-66; vis. lectr, Princeton Theol. Sem, 68-69. Ethnic Sociol. Asn. Ethnic and racial groups; sociology of religion; contemporary Jewish studies. Publ: Conservative Judiairs: an American religious movement, 55 & ed. The Jews: social patterns of an American group, 58, Free Press; co-auth, Jewish identity on the suburban frontier, Basic Books, 67. Address: Dept. of Near Eastern & Judaic Studies, Brandeis University, Waltham, Mass. 02154.
- SKOLNICK, DR. JEROME HERBERT, b. Brooklyn, N.Y. Mar. 21, 31; m. 54. SOCIOLOGY, LAW. B.B.A, City Col. New York, 52; Jr. Sterling fel, Yale, 55-56, Ph.D, 57. Res, assoc. sociol. & law, Yale, 66-60, asst. prof, 60-62; sociol. California, Berkeley, 62-67, assoc. prof, Chicago, 67-69; PROF. CRIMINOL, CALIFORNIA, BERKELEY, 70- Carnegie fel, law soch, Harvard, 65-66; task force dir. demonstration, protest & group violence, Nat. Cmn. on Causes & Prev. Violence, 68. Consult, Internal Revenue Serv, 59-60; Law & Soc. Center, Calif, 62; crime cmn, Kerner Cmn. U.S.A, 57, Res, 57-, 1st Lt. Sociol. Asn; Soc. Study Social Probs. Sociology of law; effect of stated norms, religious and legal, upon human behavior and values; organization of coercive and normative systems to achieve compliance. Publ. Justice without trial, Wiley, 66; Politics of protest, Ballantine, 69; Scientific theory and scientific evidence, Yale Law J. Address: Dept. of Criminology, University of California, Berkeley, Calif. 94720.
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- SLAGLE, DR. ROBERT O(AKLEY). Strategic Studies, Military History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- SLAKTER, PROF. MALCOLM J(ULIAN). Educational Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. State Univ. N.Y. Buffalo, 69- Address: 179 Capen Blvd, Eggertsville, Buffalo, N.Y. 14226.
- SLAMECKA, DR. VLADIMIR. Information Science. See 11th ed, Phys. & Riol. Vols.
- SLATER, DR. BARBARA R. b. Potsdam, N.Y. Feb. 18, 34. PSYCHOLOGY. B.A, St. Lawrence, 55, M.Ed, 59; Ph.D. (bsychol), Columbia, 56. Teacher, secondary schs, 55-62; sch. psychologist, Pelham Mem. High Sch, 66-70; ASST. PiROF, PSYCHOL, MOFSTRA, 68- Psychol. Asn. Effects of noise on task performance of children; auditory discrimination in primary scholchildren; perceptual development in children. Publ. Effects of noise on pupil performance, J. Ed. Psychol, 58: 239-243 & Perceptual development of the kindergarten level, J. Clin. Psychol, (in press). Address: Dept. of Psychology, Hofstra University, Hempstead, N.Y. 11550.
- SLATIN, DR. GERALD T, b. Indianapolis, Ind, Dec. 9, 33; m. 56; c. 3. SO-CIOLOGY. A.B., Indiana, 56, M.A, 64, Ph.D. (sociol), 67. Asst. sociol, Indiana, 80-61, res. comput. center, 61-63, teaching assoc. SOCIOL, 63-68; ASST. PROF, CALIFORNIA, LOS ANGELES, 66- U.S.N.R, 56-59, Lt. (ig). AAAS; Sociol. Asn. Sociology of deviant behavior and the experimental analysis of simulated non-conformity in small groups situations in the laboratory; statistical applications in sociology and research methodology-Publ: Sources of variation in United States city crime, 1950 and 1960, J. Res. Crime & Delinquency, 7/64; Ecological analysis of delinquency: aggregation effects, Am. Sociol. Rev. 12/69. Address: Dept. of Sociology, University of California, Los Angeles, Calif. 90024.
- SLATTERY, VERY REV. KENNETH F, C.M. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- SLATTERY, THEODORE BURNELL. Management Sciences, Operations Research. See Suppl. V to 11th ed, Phys. & Biol. Vols.

- SLAWSON, DR. JOHN. Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. exec. v.pres, Am. Jewish Cmt, Inst. Human Rels, 67- Address: 19 E. 88th St, New York, N.Y. 10028.
- SLECHTA, PROF. DONALD B(ENJAMIN). Political Science, Law. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: J.D. Washburn, 69. Prof, 69-, chmn, 70-, Dept. of Political Science, Ft. Hays Kansas State College. Hays. Kans. 67602.
- SLEEPER, DR. DAVID C, b. Concord, N.H., Jan. 12, 27; m. 58; c. 4. MAR-KETING MANAGEMENT. B.B.A., Toledo, 57, M.B.A., 58; assistantship & Ph.D. (mkt. mgt. & econ.) Chio State, 65. Assi. Forl. mkt. Kent State, 60-64; mkt. & econ. SOUTH FLORIDA, 64-66, ASSOC. PROF. MKT, 66-, CHMN. DEPT, 66- U.S.N, 44-45. Mkt. Asn; Sales & Mkt. Exees. Int. Market studies; customer and firm images; operational guidance of marketing and advertising programs; marketing education; use of computer as a problem solving educational tool. Address: Dept. of Marketing, College of Business Administration, University of South Florida, Tampa, Fla. 386-20.
- SLESINGER, PROF. REUBEN E. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also assoc. dean arts & sci, University of Pittsburgh, 1028H Cathedral of Learning, Pittsburgh, Pa. 15213.
- SLICE, PROF. LESLIE F, b. Leedey, Okla, Dec. 3, 08; m. 35; c. 3. AGRI-CULTURAL ECONOMICS. B.S. Okla. State, 37; Illinois, 41-42. Exten. economist, Okla. State, 39-41; EXTEN. ECONOMIST & PROF. AGR. ECON, ILLINOIS, URBANA, 42- Economic trends in grain industry—transportation, prices, futures, country elevator management. Address: R.R. 3, Champaign, III. 61820.
- SLICK, DR. MAX HARRELL. Geography. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: No longer head, Dept. of Geography, Kutztown State College, Kutztown, Pa. 19530.
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- SLOBODIN, PROF. RICHARD. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Dept. of Sociology & Anthropology, McMaster University, Hamilton, Ont, Can.
- SLOCUM, DR. JOHN W, JR, b. New York, N.Y, Sept. 3, 40; m. 64; c. 1. OR-GANIZATIONAL BEHAVIOR, MANAGEMENT. B.B.A, Westminster Col, 62; M.B.A, Kent State, 64; D.B.A, Washington (Seattle), 67. Indust rels. staff rep. B.F. Goodrich Co, 63-64; staff assoc. to dean bus. sch, Washington (Seattle), 65-67; asst. prof. MGT, PA, STATE, 67-69, ASSOC. PROF, 69-linstr, Seattle Univ, 66; v.pres. & consult, Mkt. Systs. Anal, 67-; res. fel, Stanford Steel Corp. & Gulf Oil Found, res. grant, 68-; Nat. Sci. Found. fel. impact of comput. on behav. sci. 69. Relationship between satisfaction with environmental work factors and their effect on productivity and social control in industrial enterprises; behavioral consequences of social class membership on consumer decisions. Publ. Co-auth. The management of scientific mappower, Mgt. Sci. 4/68; auth, Group cohesiveness: a salient factor affecting students' academic achievement in a collegiate environment, Int. J. Ed. Sci. fall 68; co-auth, Social class and commercial bank credit usage, J. Mkt. J. 69. Address: Dept. of Management, College of Business Administration, Pennsylvania State University, University Park, Pa. 18602.
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- SMALL, PROF. GEORGE L, b. Malden, Mass, Mar. 27, 24. GEOGRAPHY. B. A., Brown, 50, M. L.A., Columbia, 52, Ph. D. (geog), 68; Rotary Found. (el, Geneva, Switz, 52-53. Instr., Judson Sch., Ariz, 55-61; Phoenix Country Day Sch., 61-62; lectr. GEOG, Hunter Col., 64-68; PROF, RICHMOND COL. (N. Y), 68- U.S.A., 42-46. Am. Geog. Cest, Asn. Am. Geog. Cetacean conservation; man's use of iford lands of the world. Publ.: The Duck ackean Conservation; 70, Address: Dept. of Geography, Richmond College, 130 Stuyvesant Place, Staten Island, N. Y. 10301.
- SMALL, DR. IVER FRANCIS, b. Sask, Sept. 19, 23; U.S. citizen; m. 54; c. 4. ACADEMIC PSYCHIATRY. B.A, Saskatchewan, 51; M.D, Manitoba, 54; M.S, Michigan, 60. Asst. prof. psychiat, med. sch, Oregon, 60-62; sch. med, Wash-

- ington (St. Louis), 62-65; assoc. prof. PSYCHIAT, MED. CENTER, INDIANA, INDIANAPOLIS, 65-69, PROF, 69-; ASST. SUPT, LARUE D. CARTER MEM. HOSP, 65- Consult, Indianapolis Vet. Admin. Hosp, 66-; Am. Med. Asn. Coun. on Drugs, 67. Dipl. psychiat, Am. Bd. Neurol. & Psychiat, 59. AAAS; 61- Psychiat. Asn. [cert. ment. hosp. adminstr, 64]. Asn. Res. Nerv. & Ment. Disease (secy, 68); Soc. Biol. Psychiat (asst. secy, 70). The predictive validity of the psychiatric history; the relationship of the data of the psychiatric history the relationship of the data of the psychiatric history the instory taking, Ind. Univ. Med. Center, 68 & Introduction to the clinical history, Med. Exam. Pub. Co. Inc. 70; co-auth, The fate of the mentally ill physician, Am. J. Psychiat, 469. Address: Dept. of Psychiatry, Indiana University School of Medicine, Indianapolis, Ind. 48702.
- SMALL, DR. JOYCE G. Psychiatry. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- SMALLEY, DR. NEAL S(TUART), b. Alhambra, Calif, Apr. 5, 41; m. 67. THEORETICAL & SOCIAL PSYCHOLOGY. A.B, Southern California, 63; Nat. Defense Ed. Act left, Claremont Graq; Sch, 63-66, M.A, 65, Haynes Found, fel, 66-67, Ph.D. (psychol), 67. Instr. FSYCHOL, Mt. San Antonio Col (Calif), 66-67; ASST. PROF. Thele Col., 61-70; STATE UNIV. N.Y. COL. PLATTSBURGH, 70- Psychol, Asn. Psychological theory construction, history of psychology; social psychology; cognitive processes; interpersonal perception. Address: Opt. of Psychology; State University of New York College at Plattsburgh, Plattsburgh, N.Y. 12903.
- SMALLWOOD, PROF. FRANK. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Chmn. soc. sci. div. & assoc. dean faculty, 68-, Dartmouth College, Hanover, N.H. 03755.
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- SMART, DR. DAVID WAYNE, b. Rexburg, Idaho, May 9, 39; m. 67. PSY-CHOLOGY. B.A, Brigham Young, 64; M.A, Utah, 67, Ph.D.(counselling psy-chol), 69. Consult. clin. psychol, Utah State Dept. Health, 67-69; ASST. PROF. STUDENT PERSONNEL-COUNSELING, NORTHERN COLORADO, 69-U.S.A.R, 56-64. Emotional problems of college students. Address: 903 19th 8t, Apt. 7, Greeley, Colo. 80631.
- SMART, DR. MOLLIE STEVENS, b. Chatham, Ont, Apr. 11, 16; U.S. citizen; m. 39; c. 3. CHILD DEVELOPMENT, FAMILY RELATIONS. A.B. Toronto, 36; Merrill-Palmer Inst, 36-37; M.A, Michigan, 41; Fulbright scholar, India, 66-67; Ph.D.(ed), Delhi, 69. Faculty mem, psychol, Merrill-Palmer Inst, 37-41; clin, psychologist, Consultation Bur, Mich, 41-42; RES. & WRITING, 42-Part-time assoc. child develop. & family rels. Cornell, 45-50; part-time assoc. Prof. Rhode Island, 53-; coordinator col. year in India prog, Wisconsin, 67-68. Head Start consult, Off. Econ. Opportunity, 65-66. Psychol. Asn; Home Econ. Asn; Soc. Res. Child Develop. Personality development in Indian adolescents. Publ. Co-auth, Living and learning with children, 49, 56 & 61 & Living in families, 58-65, Houghton & Children: development and relationships, Macmillan, 67. Address: Dept. of Child Development and relationships, Macmillan, 67. Address: Dept. of Child Development & Family Relations, University of Rhode Island, Kingston, R.I. 02881.
- SMEAD, PROF. ELMER E(MANUEL). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof, 70-, Dept. of Government, Dartmouth College, Hanover, N.H. 03755.
- SMEETON, PROF. CECIL BROOKS. Marketing. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 68-, Dept. of Business Administration, Lake Superior State College, Ontario Hall, Sault Ste. Marie, Mich. 49783.
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- SMITH, PROF. BARNARD ELLIOT. Engineering, Management. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- SMITH, DR. BARRY D(ECKER), b. Harford, Pa, June 12, 40; m. 63; c. 2. PSYCHOLOGY. B.S, Pa. State, 62; M.A, Bucknell, 64; U.S. Pub. Health Serv. fel, Massachusetts, 66-67, Ph.D.(spychol), 67. ASST. PROF. PSY-CHOL, MARYLAND, 67- Univ. Maryland Gen. Res. Bd. & Blomed. Sci. Bd. grants, 67-68; U.S. Pub. Health Serv. grant, 68-69. Psychol. Asn, Psychonomic Soc. Parameters of psychophysiological habituation; psychophysiological representative anxiety; conflict. Publ. Co-auth, Motivation, McGraw, 67; Theoretical approaches to personality yra; a source book, 70, Appleton. Address: Dept. of Psychology, University of Maryland, College Park, Md. 20740.

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SMITH, PROF. CALEB A(LLEN). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. & chmn, 69-, Dept. of Economics, Southeastern Massachusetts University, Dartmouth, Mass. 02747.

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SMITH, DR. COLIN M(cPHERSON). Psychiatry. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Exec. dir. psychiat. serv, Sask. Dept. Put-Health, 69-; clin. assoc. prof. psychiat, Saskatchewan, 69- Address: Psychiatric Services, Saskatchewan Dept. of Public Health, Provincial Health Bldg, Regina, Sask, Can.

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SMITH, DR. GEORGE LEONARD, JR, b. Bellefonte, Pa, Sept. 6, 35; m. 62; c. 2. INDUSTRIAL & HUMAN FACTORS FROINEERING. B.S. Pa, State, 57; M.S. Lehigh, 59 & 67; Att. Sci. Found. fel, Okla. State, 67-68, Ph.D. (indust. eng), 69. Instr. INDUST. ENG, Pa. State, 58-59; Lehigh, 59-67; res. asst, Okla. State, 67-68; ASST. PROF. OHIO STATE, 68 — Job analyst, Air Prod. & Chem. Inc, 59-60; systs. engr., Frankfort Arsenal, 63. Human factors consult, West. Elec. Co, 64, 66; salary admin. consult, Air Prod. & Chem. Inc, 67. Inst. Indust. Eng. Soc. Eng. Ed. Human Factors Soc. Man-machine systems performance, especially manufacturing systems and automobile driving. Address: Dept. of Industrial Engineering, Ohio State University. Columbus, Ohio. 43210.

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SMITH, DR. HERBERT LAVON, b. MacArthur, Ohio, May 29, 35; m. 56; c. 3. SOCIOLOGY, B.S, Houston, 57, M.A, 62; Ph.D.(sociol), Wisconsin, 67. Asst. SOCIOL, Wisconsin, 59-63; asst. prof., WESTERN MICHIGAN, 63-68, ASSOC. PROF, 69- Res. assoc, Grand Rapids Pub. Schs, Mich. & center ed. studies, Western Michigan Univ, 69; summer vis. prof, Houston, 67, 68. Family life ed. consult, Portage Pub. Schs, Mich. 68-; mem. & participant, Mich. Gov. Conf. Youth & Strengthening Family, 64, 66. Sociol. Asn: Nat. Coun. Family Rels; Rural Sociol. Asn: Soc. Sci. Study Relig. Marriage and family interraction, especially marriage adjustment and spousal satisfaction and family integration and solidarity; parent child relations as related to personality development and academic achievement; sociology of education. Publ: Task performance and decision-making patterns, In: Book of text and readings, Allyn & Bacon, 69. Address: Dept. of Sociology, Western Michigan University, Kalamazoo, Mich. 49001.

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SMITH, DR. JESSE, b. New York, N.Y, Dec. 26, 31; m. 62. EXPERIMENTAL PSYCHOLOGY. B.A, N.Y. Univ, 54; Dallenbach fel, Cornell, 60-61, Sage fel, 67-68, Ph.D. (exp. psychol), 70. Field res. dir, State Chartites Aid Asn, Soc. Wellare Proj. 61-64; lectr. PSYCHOL, Queens Ch.N.Y), 64-67; ASST. PROF, CITY COL. NEW YORK, 69-8; E.C, U.S.A, 54-16. Human perceptors.

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- tion, attention and cognition. Publ: Co-auth, Casework service to chronically dependent multiproblem families: a research demonstration, Soc. Sci. Rey, 37: 33-40, Comparison of meaningfulness and pronunciability as grouping principles in the perception and retention of verbal material, J. Exp. Psychol, 67 & The study: methodology and findings, in: The multi-problem dilemma, Scarecrow, 68: Address: Dept. of Psychology, City College of New York, NT-V, 10031.
- SMITH, JIMMIE LEE. Mechanical Engineering, Mathematics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- SMITH, DR. L(ANGFORD) WHEATON, JR. Business Administration, Computers. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Mgr, appln. prog. test, Int. Bus. Mach. Corp, 69- Address: 243 Ely Place, Palo Alto. Calif. 94306.
- SMITH, DR. LEE H(ERMAN). Statistics, Operations Research. See L-Z Vol 11th ed, Soc. & Behav. Vols. New position: Prof. & chmn, 69-, Dept. of Quantitative Management Science, University of Houston, Houston, Tex. 77004
- SMITH, DR. LEO ANTHONY. Industrial Engineering. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- SMITH, DR. LOUIS MURDOCK, JR, b. Raleigh, N.C., July 22, 18; m. 45; c. 2. AGRICULTURAL ECONOMICS. B.S, N.C. State Col, 38, Ph.D.(agr. econ), 52; M.S, Va. Polytech, 39, North Carolina, 48-49. Asst. dairy sci, Va. Polytech, 38-39; instr. agr. econ, N.C. State Col, 48-49; res. economist, Bur. Agr. Econ, U.S. DEPT. AGR, 49-50, for. affairs officer, For. Agr. Serv, 50-67; PRIN AGR. ECONOMIST, COOP. STATE RES. SERV. 67- U.S. Dept. Agr. ect of merit, 57. U.S. A, 40-45, Capt. Agr. Econ. Asn. World agricultural production, trade and development; United States agricultural production and marketing; agricultural economics research and administration. Address: 1113 Westbriar Dr. N.E., Vienna, Va. 22180.
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- SMITH, DR. M. ESTELLIE. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof., 70-, Dept. of Anthropology, State University of New York Brockport, Brockport, NY. 14420.
- SMITH, DR. M. GLENN. Experimental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, Dept. of Psychology, Allegheny College, Meadville, Pa. 16335.
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 PHARMACY ADMINISTRATION. B.S, St. Louis Col. Pharm, 60, M.S, 62;
 Ph.D. (pharm. admin), Mississippi, 64. Pharmacist, Brandt Drug Serv, St.
 Louis, Mo, 60-82; mkt. mgr., Pharmacia Labs, Inc, 64-86; asst. prof.
 PHARM. ADMIN, MISSISSIPPI, 66-87, assoc., prof, 67-70, PROF, 70-, CHMN.
 DEPT, 67- Mkt. Asn; Am. Pharmaceut. Asn; Acad. Pharmaceut. Sc; Soc.
 Hosp. Pharmacists; Sch. Health Asn; Asn. Cols. Pharm. Pharmaceutical sociology; economics and marketing; cost of illnesses; computerization of health information. Publ. Principles of pharmaceutical marketing, Lea & Febiger, 68; Pharmaceutical marketing, Lea & Febiger, 69; Pharmac
- SMITH, DR. PAUL EDWARD, b. Charleston, W.Va, Dec. 23, 41; m. 62; c. 1. SOCIOLOGY. B.A, E.Cent. State Col., 64; M.A, New Mexico State, 66; Ph.D. (sociol), Washington (Seatle), 69. ASST. PROF. SOCIOL, New Mexico State 69-70; SOUTHERN METHODIST, 70- U.S.A.R., 60-68, Sgt. Sociol. Asn; Law & Society Asn; Soc. Study Social Probs. Sociology of law; deviant behavior; the police; political sociology. Publ: An assessment of the image of sociology, Univ. Washington J. Sociolog, 3/69. Address: Dept. of Sociology, Southern Methodist University, Dallas, Tex. 75222.
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- SMITH, DR. TONY E, b. San Francisco, Calif, Aug. 2, 39. REGIONAL SCI-ENCE. B. Archit, California, Berkeley, 63; Ph.D. (regional sci), Pennsylvania, 69. Lectr. REGIONAL SCI, PENNSYLVANIA, 67-69, ASST. PROF, 69- U.S.M.C.R, 58-66. Regional Sci. Asn. Game theory; decision theory; spatial statistics; measurement theory. Address: Dept. of Regional Science, University of Pennsylvania, Philadelphia, Pa. 19104.
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developed exporting countries, winter 69 & The distorting effects of an employer payroll tax, summer 70, Quart. Rev. Econ. & Bus; co-auth, A further note on the cost implications of fluctuating demand, J. Financial & Quart Anal, 9/70. Address: 1719 Juniper Dr, Apt. 159, Bowling Green, Ohio 43402.

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- SORENSON, DR. JOHN L(EON). Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Pres, Bonneville Res. Corp, 69- Address: 292 W. 1700 South, Orem, Utah 84057.
- SORIANO, DR. ABRAHAM. Management Science, Operations Research. See L-2 Vol, 11th ed, Soc. & Behav. Vols. New information: Feature ed, Nat. Soc. Corp. Planning, Address: 15 Cherry Hill Rd, Livingston, N.J. 07039.
- SORKIN, DR. ALAN, b. Decatur, Ill, Nov. 2, 41; m. 67. ECONOMICS. B.A, Hopkins, 63, M.A, 64, Nat. Sci. Found. summer fels, 65, 66, Ph.D. (econ), 66, Mem. tech. staff, Res. Anal. Corp, 66-67; res. assoc. econ, Brookings Inst, 67-69; ASST. PROF. ECON. & INT. HEALTH, HOPKINS, 69- Econ. Asn. Economics of education; influence of economic factors on migration; economic and social problems of the American Indian. Publ: Some factors associated with tuition in public and private colleges and universities, Col. & Univ, fall 68, American Indians industrialize to combat poverty, Monthly Labor Rev., 3/69 & Education, migration and Negro unemployment, Soc. Forces, 3/69. Address: 3407 Vargas Circle, Apt. 3A, Baltimore, Md. 21207.
- SORLEY, LT. COL. LEWIS STONE, III, U.S.A, b. West Point, N.Y. Aug. 3, 34; div; c. 1. SOCIOLOGY, INTERNATIONAL RELATIONS. B.S, U.S. Mil. Acad, 56; M.A, Pennsylvania, 63; U.S. Naval War Col, 67-68. U.S. ARMS, 56-, from instr. to asst. prof. Eng. U.S. Mil. Acad, 63-66; opers. staff officer, I Field Force Vietnam & exec. officer, 1st Tank Battalion, 69th Armor, Vietnam, 68-67; ASST. SECY. OF GEN. STAFF, OFF. CHIEF STAFF, WASH, D.C, 68- Vis. lectr. Rhode Island, 67-68; George Washington, 68. George Washington honor Medal, Freedoms Found, Valley Forge, Pa, 66; Legion of Merit, Air Medal with two Oak Leaf Clusters & Vietnamese Cross of Gallantry with Palm, 67. Decision making processes; military sociology; civil-military relationships: problems of developing nations. Publ: A sound basis for career motivation, Infantry, 3-4/65; The quiet war: revolutionary development, Mil. Rev, 11/67; Man in the middle: the battalion executive officer, Armor, 11-12/68. Address: Office of the Chief of Staff, U.S. Dept. of the Army, Washington, D.C. 20310.
- SORRELLS, DR. JAMES MARSHALL, b. Atlanta, Ga, Dec. 18, 38. CLINICAL PSYCHOLOGY. B.A, Emory, 60; Ph.D. (psychol), California, Berkeley, 65. Asst. prof. psychol, San Jose State Col, 65.-66; chief training eval, Ment. Res. Inst, 65-67; dir. Center Human Commun, 67-69; PROF, STAR KING SCH. RELIG. LEADERSHIP, 68-, RES. ASSOC, DEPT. PHILOS, CALIFORNIA, BERKELEY, 69- Family ther. consult, psychol. staff, Agnew State Hosp, 66. Assoc. Psychol. Asn. Family therapy; non-professional therapeutic relationships; nature of mystical experience and relevance of mediation to therapy; psychoactive drugs. Publ: Toward an integrated theory of families and family therapy, Psychotherapy, 69. Address: 10033 Broadway Terr, Oakland, Calif. 94611.
- SORSBY, DR. FELMAN B(ASCOM). Psychology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Psychology, Tennessee Wesleyan College, Athens, Tenn. 37303.
- SOURS, DR. JAMES K(INGSLEY). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Pres, South. Ore. Col, 69- Address: 610 Elkader, Ashland, Ore. 97520.
- SOUTHALL, DR. AIDAN WILLIAM. Anthropology, Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Anthropology, University of Wisconsin, 1180 Observatory Dr. Madison, Wis. 53706.
- SOUTHARD, DR. CURTIS G. Mental Health. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Grosvenor Park Apartments, 10401 Apt. 910, Rockville, Md. 20852.
- SOUTHARD, DR. SAMUEL. Theology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- SOWELL, PROF. THOMAS. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Ph.D.(econ), Chicago, 68. Assoc; prof, 69-, Dept. of Economics, Brandels University, Waltham, Mass. 02154.
- SPACHE, PROF. GEORGE D(ANIEL). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof, Florida, 69- Address: 7221 Sandy Bluff Dr, Jacksonville, Fla. 32211.
- SPAETH, DR. DAVID H, b. Philadelphia, Pa, Oct. 25, 24; m. 45. ECONOMICS, REGIONAL DEVELOPMENT. B.S, Kentucky, 53; M.S, Mich. State, 60,
 Ph.D. (agr. econ), 62. Res. asst. agr. econ, Mich. State, 56-62; economist,
 regional anal. div, Econ. Res. Serv, U.S. Dept. Agr., 62; sr. economist,
 Spindletop Res, Inc. Ky, 62-63, mgr. indust. econ. prog, 63-64; economist,
 regional develop. & trade div, Econ. Res. Serv, U.S. Dept. Agr., Taiwan,
 64-65; sr. regional economist, Spindletop Res, Inc. 66, mgr. regional develop. progs, 66-68, regional develop. div, 68-69; CONSULT. ECON, 69Staff consult, Spindletop Res, Inc. Ky, 69-; consult, Volt Tech. Corp. D.C,
 69- U.S.A, 43-46, S/Sgt. Agr. Econ. Asn; Asn. Asian Studies. Applied re-

- search and developmental systems design to assist in the socio-economic development of non-metropolitan areas; design of urban services delivery systems; economic market analyses, including cooperatives. Publ: Economic viability of small underground coal mines in eastern Kentucky, Ky. Dept. Commerce; Preliminary systems design for the organization of vocational education in the Kentucky Manpower Development Program, Ky. Adv. Coun. on Voc. Ed, Frankfort, To, Quasi-cooperative arrangements: the Japanese and Talwanese experience, in: Agricultural cooperatives and markets in developing countries, Praeger, 69. Address: Nolin Gardens, Big Clifty, Ky. 42712.
- SPAHR, DR. WALTER E(ARL). Economics. See 11th ed, Soc. & Behav. Vols, deceased 70.
- SPAIN, DR. JAMES W, b. Chicago, Ill, July 22, 26; m. 51; c. 4. POLITICAL SCIENCE. M.A, Chicago, 49; Ford Found. fel, 53-55; Ph.D. (polit. sci), Columbia, 59. V.consul, Am. Embassy, Karachi, Pakistan, 51-53; free lance writer & consult, Mid. E., 55-63; mem, policy planning coun, U.S. DEPT. STATE, 63-64, dir. res. & anal, Near E. & S. Asia, 64-66, Pakistan & Afghanistan, 66-69, CHARGE D'AFFAIRES, AM. EMBASSY, RAWAL PINDI, PAKISTAN, 69- U.S.A, 46-47, T/Sgt, Coun. For. Rels; Mid. East Inst; Royal Cent. Asian Soc. Foreign policy of South Asia. Publ: The way of the Pathangs, Robert Hale, London, 61; The Pathan borderland, Mouton, The Hague, 62. Address: 2244 Cathedral Ave. N.W, Washington, D.C. 20008.
- SPANER, DR. FRED E. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Chief community ment. health centers consult. sect, 68-, National Institute of Mental Health, 5454 Wisconsin Ave, Chevy Chase, Md. 20015.
- SPANGLER, DR. CHARLES BISHOP. Applied Mathematics, Physics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- SPANGLER, DR. HAYWARD G(OSSE). Entomology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- SPANGLER, DR. JOHN DAVID. Religion, Psychology of Religion. See 5th ed. Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- SPANIER, DR. DOUGLAS A, b. Dysart, Sask, Sept. 1, 37; U.S. citizen; m. 61; c. 2. PSYCHOLOGY. B.A, West. Wash. State Col. 61; M.A. Nebraska, 65; Ph.D. (psychol), 68. Asst. psychologist, Lincoln State Hosp, Nebr, 66-67; res. assoc. PSYCHOL, New Mexico, 67-69; ASST. PROF, STANISLAUS STATE COL, 69- Psychol Asn. Learning; discrimination; incentives. Publi: Co-auth, Excessive drinking in rat, Psychonomic Sci. 68. Address: Dept. of Psychology, Stanislaus State College, Turlock, Calit. 95360.
- SPANO, DR. BARTOLO JOHN, b. Cortland, N.Y., June 11, 34. CLINICAL PSY-CHOLOGY. A.B., Maryknoil Col., 56; Buffalo, 60; Off. Voc. Rehab, grant & M.A., Illinois, 61; U.S. Pub. Health Serv. stipend & Ph.D. (behav. sc. in elem. sch), Florida, 65. Instr. psychol. & counsr, Western Kentucky, 62-63; internship clin. psychol, S. Shore Ment. Health Center, Quincy, Mass, 64-65; asst. prof. psychol, Pa. State, 65-66; dir. off, psychol. serv. Rosary Hill Col. 66-69; ASSOC. PROF. PSYCHOL. & EDR. OFF. PSYCHOL. & ENV. WILIGHT STATE, 69- Summers, vis. lectr, Univ. Illinois, 66 & 69. Staff consult, Family & Children Serv. & Cath. Chartites, Altonon, Pa. 65-66; Meyer Mem. Hosp, Buffalo, N.Y. & consult, Mt. St. Mary's Hosp, Niagara Falls, 67-69. Psychol. Asn; Personnel & Guid. Asn; Acad. Relig. & Ment. Health. Behavioral sciences on elementary school level; identity crisis in adolescents; approaches in preventive mental health. Address: Office of Psychological Services, Wright State University, Dayton, Ohio 45431.
- SPARROW, DR. SARA STELLE. Psychology, Speech Pathology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Res. staff psychologist, 69-, Dept. of Psychology, Yale University, New Haven, Conn. 06511.
- SPAUDLING, DR. ROBERT MILLER, JR. Modern Japanese History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- SPAUTZ, DR. MICHAEL EDWARD, b. Dubuque, Iowa, June 11, 31; m. 57; c. 2. INDUSTRIAL PSYCHOLOGY. A.B. California, Los Angeles, 56, M.A. 63, Ph.D. Indust, psychol), 65. Forecasting coordinator, Gen. Tel. Co. of Calif, 56-61; indust, psychologist, Safeway Stores, Inc, 65-66; Sun Oil Co, 66-67; sr. engr., Data Systs. Div. Litton Industs, Inc, 68; ASST. PROF. INDUST. PSYCHOL, COL. BUS. ADMIN, SAN FRANCISCO, 68-81g. C, U.S.A, 52-54 Psychol. Asn; Soc. Psychol. Shudy Social Issues. Managerial psychology; professional development; creativity; manpower planning; social issues. Address: College of Business Administration, University of San Francisco, San Francisco, Calif. 94117.
- SPEAKS, DR. CHARLES E(DWARD), b. Coshocton, Ohio, June 29, 35; m. 56. SPEECH PATHOLOGY, PSYCHOACOUSTICS. B.S., Ohio, 57, M.A., 58; Ph.D. (speech path, audiol), Michigan, 63. Lectr. speech, Michigan, 61-62, nstr., 62-63; res. instr. audiol, col. med, Baylor, 63-67, res. asst. prof., 67-68; ASSOC. PROF. SPEECH, MINNESOTA, MINNEAPOLIS, 68. Res. assoc, Res. Inst. Houston, 63-68, assoc. dir. res., 67-68; Nat. Insts. Health & Voc. Rehab. Admin. grants, 65-68; vis. lectr. Texas, 66-67. AAAS; Acoustical Soc. Am; Speech & Hearing Asn. Speech perception processes in the normal and pathologic auditory systems. Address: 409 Folwell Hall, University of Minnesota, Minneapolis, Minn. 55455.
- SPEAR, DR. NORMAN EBERMAN. Experimental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Dept. of Psychology, Rutgers, The State University, New Frunswick, N.J. 08903.
- SPEAR, DR. PAUL S, b. Minot, N.Dak, July 26, 41. CHILD PSYCHOLOGY.
 A.B. Taylor, 63; M.A. Wyoming, 65; Ph.D.(child psychol), Denver, 68. ASST.
 PROF. PSYCHOL, SAN DIECO STATE COL, 68. Instr., Prog. Alloat Ed, 68.
 Summer psychol. consult, Head Start Prog, 66. Soc. Res. Child Develop;
 Psychol. Asn. Effects of social reinforcement on children's motivation,

- learning & motor performance; rapid eye movement sleep and dreaming in children and adults. Address: Dept. of Psychology, San Diego State College, San Diego, Calif. 92115.
- SPECHT, DR. DONALD FRANCIS. Electrical Engineering. See Suppl. VI to 11 th ed, Phys. & Biol. Vols.
- SPECK, DR. SAMUEL W, JR, b. Canton, Ohio, Jan. 31, 37; m. 62; c. 2. PO-LITICAL SCIENCE. B.A, Muskingum Col, 59; Rotary fel, Univ. Col. Rhodesia & Nyasaland, 61; M.A, Harvard, 63, Ph.D. (polit. sci), 68. ASSOC. PROF. POLIT. SCI, MUSKINGUM COL, 63., CHMN. DEPT, 68. Polit. Sci. Asn; fel. African Studies Asn. Address: Dept. of Political Science, Muskingum College, New Concord, Ohio 43762.
- SPECTOR, DR. BERTRAM. Biomedical Sciences. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- SPECTOR, DR. MALCOLM, b. St. Louis, Mo, July 18, 43; m. 67. SOCIOLOGY, SOCIAL PSYCHOLOGY. B.A, Northwestern, 66, Russel Sage Found. fel, 67-68, M.A, 68, Ph.D. (sociol), 69. ASST. PROF. SOCIOL, McGILL, 68-Am. Sociol. Asn; Soc. Study Social Probs; Can. Soc. Sociol. & Anthrop. Symbolic interaction, especially sub-cultures and socialization. Address: Dept. of Sociology, McGill University, Montreal 2, Que, Can.
- SPECTOR, DR. NOVERA HERBERT. Neurophysiology, Biophysics. See Suppl. V & VI to 11th ed, Phys. & Biol. Vols.
- SPEER, DR. JAMES PAUL, II. Political Science, International Relations. See L.-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Assoc. prof. polit. sci. 69-, Dept. of Politics & Philosophy, Southwest Missouri State College. Springifield. Mo. 65802.
- SPEETH, DR. KATHLEEN RIORDAN, b. New York, N.Y, Feb. 12, 37; div; c. 2. PSYCHOLOCY, EDUCATION. B.A, Barnard Col, Columbia, 59, Barnard Gel, Columbia, 59, M.A. 61, Ph.D. (psychol), 67. 5r. systs. analyst. Basic Systs, Inc, 63-66; ed. psychologist, ed. div, Xerox Corp, 66-66; consult, 68-70, MAT. Morg, INDEPENDENT LEARNING SYSTS, 70- Psychol. Asn. Human learning; behavioral analysis of the learning process; curriculum analysis and development; programmed instruction; educational systems analysis and development; programmed instruction; educational systems analysis and development; programmed instruction; educational systems analysis and development; programmed instruction; available learning, Columbia Univ. 67; co-auth, What determines what the student learning, Columbia Univ. 67; co-auth, What determines what the student learning 10; 68 & Techniques for maintaining student motivation. J. Nat. Soc. Programmed Inst, 3/69. Address: Independent Learning Systems, 18 Professional Center Pkw, San Rafael, Calli. 94903.
- SPEIER, DR. HANS. Sociology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position & address: Robert M. MacKver prof. sociol. & govt. 69-, University of Massachusetts, 534 Thompson Hall, Amherst, Mass. 01002.
- SPEIGNER, PROF. THEODORE ROOSEVELT, b. Montgomery, Ala, Mar. 31, 08: m. 40. GEOGRAPHY. A.B., Talladega Col., 30: A.M., towa, 33: LL.D. Luther Col., 38: Ph.D. (geog. counseling), Michigan, 61: D.H.L., Wartburg Col. & LL.D. Capital Univ. 64. Prin, St. Paul's Luthercan Acad., 30-47: asst. prof. hist, NORTH CARGOLINA CENTRAL, 47-60, assoc. prof. egog. & dir. div. resource-use ed. 50-60. PROF. GEOG. & CHMN. DEPT, 60- Founder & chmm, N.C. Resource-Use Ed. Cong., 47-; men, Gov. Cmn. Agr., Migrants, 52: Mayor's Good Neighbor Coun, 63; Durham City Bd. Ed., 64 & 67-70. Nat. Coun. Geog. Ed. Hist. Asn. Conserv. Ed. Asn. Soil Conserv. Soc. Am; Asn. Am. Geog. History; conservation. Publ: Contrib, Jour. Geog, Negro Ed. Rev, Conserv. Ed. J. N.C. High Sch., J. & N.C. Teachers Asn. Record. Address: Dept. of Geography, North Carolina Central University, Durham, N.C. 27707.
- SPELLACY, PROF. EDMUND F(RANK). Public Administration & Law. See 11th ed, Soc. & Behav. Vols, deceased 68.
- SPELLMAN, PROF. JOHN WILLARD. History of India. See 5th ed, Dir. Am. Scholars. Vol. I, Hist.
- SPENCE, DR. HOMER E(UGENE), b. Canton, Onio, Mar. 14, 41; m. 64. MARKETINC. BS. On 6 state, 63, M.B.A, 65, Ph.D. (bus. orgn), 67. ASST. PROF. MKT, WASHINGTON (SEATTLE), 67-Econ. Asm. Mkt. Asn. Consumer behavior and economics; economic and cultural impact of marketing. Publ: Co-auth, Perceived risk in mail order and retail store buying, J. Mkt. Res. 8, 70; Impact of brand preference on the perception of brand names, In: Readings in consumer behavior, Holt, 70. Address: 1508 40th Ave, Seattle, Wash. 98122.
- SPENCE, DR. NORVILLE E, b. St. Boniface, Man, May 15, 35; m. 55; c. 2. PSYCHOLOGY. B.A, Manitoba, 60; M.A, Ohio State, 63, Ph.D.(psychol), 68. ASST. PROF. PSYCHOL, Brandon, 63-68; ASSKATCHEWAN, 68-Can. Psychol. Asn. Learning; operant conditioning; motivational effects of stress on development. Address: Dept. of Psychology, University of Saskatchewan, Saskatcon, Sask, Can.
- SPENCER, PROF. BERKLEY ARNOLD. Sociology, Anthropology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Sociology, Brigham Young University, Provo, Utah 84601.
- SPENCER, DR. GARY, b. Towanda, Pa, June 10, 40; m. 64; c. 2. SOCIOLOGY PSYCHIATRY, A. B., Alfred, 62; A. M., Boston, 64, Ph.D. (sociol), 69; summer, Nat. Sci. Found, fel, Michigan, 64. Res. assoc. soc. intervention, New Eng. Rehab. Res. Inst, Northeastern, 65-68; adj. asst. prof. sociol, Teachers Col., Columbia, 68-70; ASST. PROF. SOCIOL. & PSYCHIATRY, FLORIDA, 70- U.S.A, 68-70, Capt. Sociol. Asn, Nat. Rehab. Asn. Selection and socialization of military elities; structure and process of social intervention; delivery of health services. Publ. The structure and dynamics of social intervention, Heath, 70; A comparative study of the reduction of dependency, Northeast. Univ, 65; The West Point cadet—a social psychological profile, U.S. Mil. Acad, 70. Address: Dept. of Sociology, University of Florida, Gainesville, Fla. 32601.

- SPENCER, DR. GEORGE ELWOOD. Rural Sociology, Cultural Anthropology, See L.-Z Vol, 11th ed. Soc. & Behav. Vols. New position & address: Community develop. consult, 69-, U.S. Agency for International Development to Panama, P.O. Box J, Balboa, C.Z.
- SPENCER, PROF. KATHERINE. Social Anthropology. See HALPERN, DR. KATHERINE SPENCER, this Suppl.
- SPENCER, PRES. ROBERT C. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Pres, 69-, Sangamon State University, 818 Myers Bidg, Springfield, Ill. 62701.
- SPENCER, PROF. WILLIAM. History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- SPERLING, PROF. JOHN G(LEN). Economic History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- SPERRAZZO, PROF. GERALD. Clinical Psychology. See L.-Z Vol. 11th ed. Soc. & Behav. Vols. New Information: Also chmn, 66-, Dept. of Psychology, University of San Diego, San Diego, Calif. 9210.
- SPICKER, DR STUART FRANCIS. Philosophy, Psychology. See 5th ed. Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- SPIEGEL, DR. STANLEY. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Foss Dr, Upper Nyack, N.Y. 10960.
- SPIEGELMAN, MORTIMER. Demography. See 11th ed, Soc. & Behav. Vols, deceased 69.
- SPIES, PROF. GORDON. Psychology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn, 69-, Dept. of Psychology, Indiana State University, Terre Haute, Ind. 47809.
- SPILLETT, DR. JAMES JUAN. Animal Ecology, Wildlife Resources. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- SPINKS, DR. NELLIE JOHNSON, b. Valdosta, Ga, Dec. 13, 44. BEHAVIORAL SCIENCE, APPLIED PSYCHOLOGY. B.A.E., Florida, 65, J. Hillis Miller scholar, 65, M.Ed, 66; univ. fel, Fla. State, 68, Ph.D.(counseling psychol), 69. PROF. PSYCHOL. & CHMN. DEPT, BRENEAU COL, 69. Lectr, Univ. Georgia & Breneau Col. Gerontol. Inst, Gainesville, Ga, 70. Psychol. Asn. Self-disclosure; group counseling; writing therapy. Publ. Co-auth, Exploring economics along language thought trails, Marion County Bd. Publ. Instr., 66; auth, The effects of male and female models in vicarious therapy pretraining on the self-concept of institutionalized female juvenile delinquents in group counseling, Xerox Corp., 69; Conservation our hope, Sr. Scholastic. 61. Address: Enota Gardens, Apr. M.-2, Gainesville, Ga. 30501.
- SPIRO, DR. HERZL ROBERT, b. Burlington, Vt, Apr. 22, 35; m. 55; c. 3. PSYCHIATRY. B.A., Vermont, 55, M.D. 60; Harvard, 55-56; Wash. Psycho-anal. 66-69. Intern. med, Lornell Med. Center, 66-61; res. & fel, Johns Hopkins Univ. & Hosp, 61-64, instr. psychiat, HOPKINS, 64-66, asst. prof, 66-69. ASSOC. PROF. PSYCHIAT. & DIR. GROUP TRAINING CENTER, 69-DIR. OUTPATIENT & COMMUNITY MENT. HEALTH PROGS, JOHNS HOPKINS HOSP, 69-, assoc, physician-in-charge, 64-66, psychiatris-in-charge, Henry Phipps Outpatient Serv, 66-70. Consult, Bur. Disability Ins, Social Security Admin, 64-69; Nat. Inst. Ment. Health, 69- AAAS; Psychiat. Asn; Psychsom. Soc; Pub. Health Asn. Social psychiatry including small group theory and practice; community mental health; psychosomatic medicine and liaison psychiatry. Address: 6524 Gardenwick Rd, Baltimore, Md. 21208.
- SPIRO, PROF. MELFORD E(LLIOT). Social Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn, 68-Dept. of Anthropology, University of California at San Diego, La Jolla, Calif. 91037.
- SPITZ, DR. ALLAN AUGUST. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & dir. field experience, 69-, James Madison College, Michigan State University, East Lansing, Mich. 48823.
- SPITZNER, DR. JOSEPH H, b. Chicago, Ill, July 30, 42; m. 62; c. 2. EX-PERIMENTAL PSYCHOLOGY. B.S, Loyola (Ill), 65; M.S. Rutgers, 67, Ph.D. (bgychol), 68. ASST. PROF. PSYCHOL, OHIO STATE, 68. Animal behavior in areas of learning and motivation. Address: Dept. of Psychology, Ohio State University, Columbus, Ohio 43210.
- SPIVACK, DR. S(YDNEY) S(HEPHERD). Social Psychology, Sociology. See 11th ed, Soc. & Behav. Vols, deceased 69.

- auth, The therapeutic community—a study in identification, Israel Ann. Psychiat, 69. Address: Israel Institute of Applied Social Research, P.O. Box 7150, Jerusalem, Israel.
- SPORES, DR. RONALD. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 68-, Dept. of Anthropology, Vanderbilt University, Nashville, Tenn. 37203.
- SPRADLEY, DR. JAMES P. b. Baker, Ore, Dec. 19, 33; m. 56; c. 3. CULTURAL ANTHROPOLOGY. M. A., Washington (Seattle), 63, Ph. D. (anthrop), 67. Asst. prof. psychiat. & anthrop, Washington (Seattle), 66-69; ASSOC. PROF. ANTHROP, MACALESTER COL, 69- U.S. A, 57-59. Fel. Anthrop. Asn. (Stirling award, 69). Northwest coast indians; urban tramps; culture and personality; cognitive anthropology. Publ: Guests never leave hungry: autobiography of a Kwakiutl Indian, Yale, 69 & You owe yourself a drunk: an ethnography of urban nomads, Little, 70. Address: Dept. of Anthropology, Macalester College, St. Paul, Minn. 55101.
- SPRADLIN, DR. JOSEPH E(DWARD). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. human develop. & family life, 69-, University of Kansas, 1043 Indiana, Lawrence, Kans. 66044.
- SPRAGENS, DR. WILLIAM C(LARK). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Political Science, Bowling Green State University, Bowling Green, Ohio 43402.
- SPRAGUE, DR. JOHN DRUMMOND, b. Watertown, N.Y., Mar. 14, 34; m. 55; c. 4. POLITICAL SCIENCE. A.B, Stanford, 56, M.A, 63, Ph.D.(polit. sci), 64. Soc. Sci. Res. Coun training grant, 64-65; asst. prof. POLIT. SCI, WASHINGTON (ST. LOUIS), 65-68, ASSOC. PROF, 68- Polit. Sci. Asn.(E.S. Corwin prize, 65); Law & Society Asn. Judicial behavior; legislative politics. Publ: Co-auth, Lawyers in politics, 64 & auth, Voting patterns of the U.S. Supreme Court, 68, Bobs. Address: Dept. of Political Science, Box 1063, Washington University, St. Louis, Mo. 63130.
- SPRAGUE, DR. ROBERT L(EE). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir, 69-, Children's Research Center, University of Illinois, Champaign, Ill. 61820.
- SPRATT, PROF. J(OHN) S(TRICKLIN). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Economics, Campbell College, Buies Creek, Nr.C. 27506.
- SPRAY, DR. SHERRAD L. Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Vis. assoc. prof. 69-, Dept. of Sociology, York University, 4700 Keele St, Downsview, Toronto, Ont, Can. 463.
- SPREITZER, DR. ELMER A, b. Cleveland, Ohio, Oct. 29, 36; m. 64; c. 3. SOCIOLOGY. B.S., John Carroll, 62; M.A., West. Reserve, 64; Voc. Rehab. Admin. fel, Ohio State, 65-67; Ph.D. (sociol), 68. Instr. sociol, John Carroll, 63-65; ASST. PROF. phys. med, Ohio State, 68-69; SOCIOL, BOWLING GREEN STATE, 69. U.S.A, 55-57. Sociol. Asn. Medical sociology; sociological theory; race relations. Address: Dept. of Sociology, Bowling Green State University, Bowling Green, Ohio 43402.
- SPRENGEL, DR. DONALD P(HILIP). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Center for Urban Programs, St. Louis University, 221 N. Grand, St. Louis, Mo. 63103
- SPRINGBORN, DR. BRUCE A(LAN). Industrial Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. A.T. Kearney & Co, Inc, 68- Address: 225 Francis Lane, Barrington, Ill. 60010.
- SPRINGER, DR. JOHN Y(OUNG). Economics. See L-Z Vol, 11th ed. Soc. & Behav. Vols. Change of address: 2800 Neilson Way, Apt. 1315, Santa Monica, Calif. 90405.
- SPRINKEL, DR. BERYL W(AYNE). Finance, Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Sr. v.pres. & economist, Harris Trust & Savings Bank, 68- Address: 1429 Bunker Ave, Flossmoor, Ill.
- SPROTT, DR. RICHARD L, b. Tampa, Fla, Aug. 9, 40; m. 65; c. 2. EXPERIMENTAL PSYCHOLOGY, BEHAVIOR GENETICS. A.B, North Carolina, Chapel Hill, 62, Nat. 5ci. Found. fel, & M.A. 64, Ph.D. (psychol), 65. U.S. Pub. Health Serv. fel, 65-67; asst. prof. psychol. Oakland, 67-69; ASSO. STAFF SCENTIST, JACKSON LAB, 69- AASI, Psychol. Asn. Physiology of behavior and the inheritance of behavior using operant and genetic techniques. Publ: Retorgade amnesis in two strains of mice, Psychol. Reports, 10/66, Barometric pressure fluctuations: effects on the activity of laboratory mice, Science, 9/67 & Fear communication via dod rn inbred mice, Psychol. Reports, 8/69. Address: The Jackson Lab, Bar Harbor, Maine 04609.
- SPURLING, DR. JOHN JASPER, b. Gregville, Ala, Feb. 28, 28. SOCIOLOGY, CULTURAL ANTHROPOLOGY. A.B., Talladega Col., 49; A.M., N.Y. Univ., 51, Ph.D. (human rels.), 62. Researcher math, Courant Ints, N.Y. Univ., 57-64; asst. prof. SOCIOL. & ANTHROP, Elizabethtown Col., 56-57; City Univ. New York, 65-67; ASSOC. PROF, ST.JOHN'S (N.Y.), 67- Administr, Community Involvement in Creative Ed, Inc, New York, 70- Consult, N.Y. State Dept. Urban Ed, Albany, 67-69; Human Affairs Res. Center, N.Y., 67-; Auerbach Corp, Phila, Pa, 69- Assoc. Sociol. Asn; Acad. Polit. & Soc. Sci. Research in intergroup relations in New Jersey and New York, in drug addiction in New York City and in housing and migrants. Publ. The Negro in New Jersey, N.J. Hist. Series, 65. Address: 112-45 180th St, Jamaica, N.Y. 11433.
- SQUILLACE, ANTHONY SALVATORE, b. Brooklyn, N.Y, Sept. 18, 35; m. 59; c. 4. PSYCHOLOGY, CHEMISTRY. B.A, California, Los Angeles, 58; M.A,

- Calif. State Col. Long Beach, 65; B.A. & M.A, Calif. State Col. Fullerton, 67. Sr. engr. NORTH AM. ROCKWELL CORP, 60-66, mem. tech. staff, 66-69, SUPVR. HUMAN FACTORS, 69- U.S.A, 59, Nat. Goard, 59-65. Psychol. Asn; Human Factors Soc; Chem. Soc. Application of psychology to solution of industrial problems including motivational research, human engineering, man-machine systems analysis and workplace design research. Publ: Co-auth, A functional relationship between alignment accuracy and vertical separation distance of alignment marks, Human Factors J, (in press). Address: 5822 Lemon Ave, Cypress, Calif. 90630.
- SQUIRES, DR. JO ANNE SMIT, b. Wilkinsburg, Pa. Sept. 2, 26; m. 58; c. 2. PSYCHOLOGY. B.S., Ohlo, 47; scholar & M.S. Pittsburgh, 49, Ph.D. (psychol), 51. Lectr., psychol, Pittsburgh, 48-49; instr., Alleghany Col, 50-52; lectr., Western Reserve, 52-53; sr. psychologist, U.S. Govt, 53-58; dir. psychol. serv, Hampton Rids. Speech & Hearing Center, 62-66; assoc. prof. psychol, Christopher Newport Col, Col. William & Mary, 67-69; supv. adjust. serv, Sarah Bonwell Hudgins Regional Center, 69-70. Res. asst, Am. Inst. Res., 48-49; sr. res. assoc. Personnel Res. Inst, 52-53; psychologist, Penninsula Asn. Retarded Children, 62-65; asst. prof. Col. William & Mary, 64-66. Consult, Newport News Pub. Schs, 66-67; adv. to bd, Penninsula Asn. Retarded Children, 66-69. Intel. Medal of Merit, U.S. Govt, 56. Psychol. Asn. Industrial selection training; evaluation; human relations; handicapped children and adults; evaluation; training. Address: 239 Christopher Wren Rd, Williamsburg, Va. 23185.
- SRIVASTAVA, DR. HARI MOHAN. Mathematics, Numerical Analysis. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- SRIVASTAVA, DR. MUNI SHANKER, b. Gonda, India, Jan. 20, 36; m. 64; c. 2, STATISTICS. M.Sc, Lucknow, 56; Ph.D.(statist), Stanford, 64. Asst. prof. statist, Lucknow, 57-61; res. asst, Stanford, 61-63; asst. prof. MATH. Toronto, 63-65; vis. res. fel, Princeton, 65-66; ASSOC. PROF, TORONTO, 66-Inst. Math. Statist; Ans. Statist, Asn. Royal Statist, Soc. Multivariate analysis; sequential analysis; nonparametric methods. Publ: Some asymptotically efficient sequential procedures for ranking and slippage problems, 66 & On fixed-width confidence bounds for regression parameters and mean westor, 67; J. Royal Statist. Soc; co.-auth, The performance of some sequential procedures for a ranking problem, Ann. Math. Statist, 668. Address: Dept. of Mathematics, University of Toronto, Toronto, Ont, Can.
- STAAR, PROF. R(ICHARD) F(ELIX). Political Science. See L-Z Vol, 11th ed, 50c. & Behav. Vols. New position: Assoc. dir, Hoover Inst, 69- New publ: The communist regimes in Eastern Europe, Hoover Inst, 2nd ed, 70. Address: 337 Los Altos Ave, Los Altos, Calif. 94022.
- STABLER, DR. JOHN R(OBERTS), b. New Rochelle, N.Y., Apr. 11, 32; m. 55; c. 2. PSYCHOLOGY. B.A., Antioch Col, 56; M.A., Southern Methodist, 58; Ph.D. (bsychol), Texas, 61. Instr. PSYCHOL, La. State, 60-61, asst. prof. 61-68, ASSOC. PROF, 68-69; GEORGIA STATE, 69- Lectr., Southern Univ, 64-65; res. grant, Community Adv., Inc., 67-68. Consult, head start res. & eval. center, Southern Univ, 67-69; parent-child center, Atlanta, Ga, 69- Psychol. Asn; Soc. Res. Child Develop; Nat. Coun. Family Rels. Personality and social development; adolescence; racial attitudes of young children. Publ.; Discrimination reaction time as a joint function of manifest anxiety and intelligence, Am. J. Psychol, 63, Personality and family background correlates of students' response to physical danger, J. Psychol, 67 & The relationship between race and perception of racially-related stimuli in preschool children, Child Develop, 70. Address: Dept. of Psychology, Georgia State University, Atlanta, Ga. 30303.
- STACHOWIAK, PROF. JAMES G(REGORY). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. 69-, Dept. of Psychology, University of Kansas, Lawrence, Kans. 66044.
- STACK, DR. JAMES J(AY), b. Berwyn, Ill, June 8, 33; m. 54; c. 2. PSY-CHOLOGY. B.S., Northwestern, 54; M.A., Ohio, 56; U.S. Pub. Health Serv. fel, Ohio State, 62-63; Ph.D.(clin. psychol), 63. Staff psychologist, Vet. Admin. Ment. Hyg. Clin, Columbus, Ohio, 63-64; asst. prof. clin. psychol, Ohio State, 64-66, exec. officer, 65-66; asst. prof. psychol. & assoc. dir. child study center, GEORGE PEABODY COL, 66-68, ASSOC. PROF. PSY-CHOL. & DIR. CHILD STUDY CENTER, 68-Consult-dir, psychol. dept, Columbus State Hosp, Ohio, 64-66; res. dir, Crisis Call Center, Nashville Ment. Health Asn, Tenn, 67-69, eval. consult, 67-70. U.S.A, 54-56. Psychol. Asn. Clinical psychology, especially child and family process; personality theory; personality assessment and change. Address: Dept. of Psychology, Box 158, George Peabody College for Teachers, Nashville, Tenn. 37203.
- STACKFLETH, MAJ. EVAN DEAN, U.S.A.F. Industrial Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Wing acad. adv. Acad. Instr. & Allied Officer Sch, 68- Address: 2615 Baldwin Brook Dr, Montgomery, Ala. 36111.
- STADDON, DR. J (OHN) E (RIC) R (AYNER). Experimental Psychology, Learning. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Psychology, Duke University, Durham, N.C. 27706.
- STAFFORD, PROF. HOWARD A, JR. Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. & head, 69-, Dept. of Geography, University of Cincinnati, Ohio 45221.
- STAFFORD, DR. JOHN W(ILLIAM). Experimental Psychology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Cultural dir, 70-, College of San Viator, Apartado Aéreo 21512, Bogotá, Colombia, S.A.m.
- STAFFORD, DR. RICHARD L(INDSAY), b. Florence, Ala, Mar. 10, 23; m. 62. CLINICAL PSYCHOLOGY. B.S, Auburn, 50, M.S, 54; B.D, South. Baptist Theol. Sem, 51; Nebraska, 55-56; Vanderbilt, 56-58; fel, Houston, 62-65, Ph.D.(clin. psychol), 66. Clin. psychol. trainee, Vet. Admin. Hosp, Murfreesboro, Tenn, 57-58; clin. psychologist, Guid Center Hillsborough County, Tampa, Fla, 58-59; asst. prof. psychol, Stetson, 59-62; resident clin. psy-

- chol, med. br, Texas, 64-65, asst. prof. pediat, 65-66; sch. med, Virginia, 66-68; ASSOC. PROF. PSYCHOL, SOUTH ALABAMA, 68- U.S.A.A.F, 43-64, S/Sgt. Psychol. Asn; Ed. Res. Asn. Developmental disorders in children. Address: Dept. of Psychology, University of South Alabama, Mobile, Ala. 36608.
- STAHL, DR. O. GLENN. Political Science, Public Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, U.S. Civil Serv. Cmn, 69; independent consult. pub. admin, 69- Address: 3600 N. Predmont St, Arlington, Va. 22207.
- STAHLY, DR. HAROLD LEROY, b. Milford, Nebr., May 14, 26; m. 47; c. 5. EDUCATIONAL PSYCHOLOGY. A.B. Greenville Col., 49; M.S., Butler, 54; Ed.D. (ed. psychol), Indiana, 61. Teacher, pub. schs, Ind, 52-58; ASSOC. PROF. ED. PSYCHOL, Southeast Mo. State Col., 60-64; Western Illinois, 64-65; MICHIGAN, 65-, CHMN. DEPT. ED, 69- Psychol. Asn. Preparation of teachers for urban schools. Publ.; Co-auth, In search of meaning, Vol. II, Univ. North. Iowa, 69. Address: 8343 Manchester, Grand Blanc, Mich. 48439.
- STAHR, DR. ELVIS J(ACOB). Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- STALEY, DR. ALAN L, b. Clayton, N.Mex, Dec. 31, 14; m. 38; c. 2. PSY-CHOLOGY, COUNSELING. B.S, Colo. Agr. & Mech. Col. 38; M. A. Eastern New Mexico, 58; Ph. D. (col. student personnel), Col. State Col., 67. Teacher high schs, N. Mex, 38-47 & 48-59; asst. state supt. voc. agr. N.Mex, 47-48; instr. agr. Eastern New Mexico, 59-63; prin. jr. & sr. high schs, Tex, 63-66; ASSOC. PROP. PSYCHOL. & DIR. COUNSELING & TESTING, McMURRY COL., 66-Nat. Ed. Asn; Personnel & Guid. Asn. Adolescent and educational psychology. Address: 3950 Brookhollow Dr., Ablene, Tex. 79605.
- STALEY, SISTER IGNATIUS. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. 69-, Dept. of Sociology, Carroll College, Helena, Mont. 58601.
- STALEY, DR. JOHN S, b. Pittsburgh, Pa, Oct. 21, 16; m. 67; c. 2. SOCIOL-OGY. B.A, St. Vincent Col, 36, M.A, 36; M.A, Catholic, Univ, 50; Danforth fel, N.C. State, 64; Ph. D. (sociol), Pittsburgh, 60. PROF. SOCIOL, St. Vincent Col, 48-67; Avery Postgrad. Inst, 67-69; BRIGHAM YOUNG, 69-Mellon fel, Pittsburgh, 67-68. Fel. Sociol. Asn. Systems transformation theory, particularly as applied to community development; race relations in urban community context. Publ: Racial democracy in marriage, Univ. Pittsburgh, 61; Walden III, 68 & Information dynamics and developmental organization, 69, Human Potential. Address: Dept. of Sociology, Brigham Young University, Provo, Utah 86401.
- STALLINGS, DR. DALE G(ROW), b. Roberts, Idaho, July 26, 27; m. 56; c. 4. ECONOMICS, AGRICULTURAL ECONOMICS. B.S, Idaho, 50; M.S. Minsesotta, 52; Ph.D. Idagr. econo. 62. Agr. economist, California, Berkley, 54-D18. Georgia, 55-D24; asset, prof. agr. econ. 6 econ. CALIF. STATE 145-D24; California, Berkley, 55-D24; asset, prof. agr. econ. 6 econ. CALIF. STATE 155-D24; California, Berkley, 55-D24; California, Berkley, 55-D24; California, Francis, 55-D24; California, 55-D24; California,
- STALLINGS, DR. WILLIAM M, b. Louisville, Ky, Aug. 20, 34; m. 62; c. 1. EDUCATIONAL PSYCHOLOGY. A.B, Kentucky, 56; M.A.T, Indiana, 63, Ed.D.(ed), 66. RES. ASST. PROF. OFF. INSTRUCTIONAL RESOURCES & ASST. PROF. ED. PSYCHOL, ILLINOIS, URBANA, 66- U.S.N.R, 56-60, Lt. AAAS; Ed. Res. Asn; assoc. mem. Sociol. Asn. Educational measurement and student personnel research. Publ: Co-auth, The pass-fail grading option, Sch. & Soc, 3, 68, Conlidence level and significance level: sematic confusion or logical Iallacy, J. Exp. Ed, summer 69 & Some characteristics and correlates of the Meier Art Test of Aesthetic Perception under two systems of scoring, J. Ed. Measurement, fall 68. Address: 507 E. Daniel, Champaign, 111. 61820.
- STALNAKER, DR. ARMAND C(ARL). Economics, Business Administration. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Pres, Gen. Am. Life Ins. Co, 69- Address: 35 York Dr, St. Louis, Mo. 63144.
- STAMPOLIS, PROF. ANTHONY. Economics, Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. econ. & bus. admin. & dir, 68-, Bureau of Business Research, School of Business, East Carolina University, P.O. Box 2767, Greenville, N.C. 27834.
- STANAGE, DR. S(HERMAN) M(ILLER). Philosophy, Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- STANEK, DR. RICHARD J(AMES). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. 69-, Dept. of Psychology. Southern Oregon College, Ashland, Ore. 97520.
- STANFORD, DR. E. PERCIL, b. Easton, Md, Feb. 19, 39; m. 65. SOCIOLOGY. A.B., Morgan State Col, 61; M.S., Iowa State, 67, Ph.D. (sociol), 68. SPE-CIALIST ON AGING, U.S. DEPT. HEALTH, ED. & WELFARE, 68- Lectr, George Washington, 69- U.S.A, 61-65, Res, 65-, Capl. Sociol. Asn, Geront. Soc; int. Asn. Geront. Job satisfaction and involvement of older worker; anticipation patterns of potential military retirees. Address: 7513 14th St, N.W. Washington, D.C. 20012.
- STANFORD, DR. JOHN, b. Brockville, Ont, Nov. 17, 33; m. 55; c. 3. PHYSI-OLOCICAL & EDUCATIONAL PSYCHOLOGY. B.A. Queen's (Ont), 64, M.A, 65, Ph.D. (psychol), 67. Lectr. PSYCHOL, Queen's (Ont), 66-67; ASST. PROF, TRENT, 67- Can. Psychol. Asn. Neural and endocrine correlates

- of sexual and other behaviors; application of learning theory of school situations. Address: Dept. of Psychology, Trent University, Peterborough, Ont, Can.
- STANFORD, DR. MELVIN JOSEPH, b. Logan, Utah, June 13, 32; m. 60; c. 4. BUSINESS MANAGEMENT. B.S. Utah State, 57; Donald Kirk David fel. & M.B.A, Harvard, 63; C.-P.A, Utah, 63; P.P.D. (bas), Illinois, Utbana, 68. Auditor, Utah Tax Cmn, 58-59, asst. suppr. auditing, 59-61; acct, Haskins & Seils, 62; analyst acct. staff, Arabian Am. Oil Co, 63-66; asst. indust. admin, Illinois, 66-68, mgt. opers, 68; asst. prof. BUS. MGT, BRIGHAM YOUNG, 68-69, ASSOC, PROF, 69-9, DIR, MGT, DEVELOP, PROGS, 70-Mem. consult. faculty, U.S. Army Command & Gen. Staff Coi, 69- U.S.A.F, 50-55, Res, 55-, Maj, Mgt. Asn. Management development programs; management information systems; case writing; development of new enterprise; university administration. Publ: An information system model for the academic department, Univ. Microfilms, 68; The case of the blank check, Intercol. Case Clearinghouse, 69; Ramily decision making, Improv. Era, 69. Address: College of Business, Brigham Young University, Provo, Utah 34601.
- STANFORD, PROF. STEPHEN SEDLEY. Sociology. See L.-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof. & chmn, 69-, Dept. of Sociology, Weber State College, 3750 Harrison Blvd, Ogden, Utah 84403.
- STANGL, PROF. JOSEPH JOHN, b. Czech, Apr. 30, 14; U.S. citizen; m. 41; c. 1. INTERNATIONAL RELATIONS, ECONOMICS. Dr., Univ. Polit. & Soc. Sci., Czech, 48; M.A. Syracuse, 53, D. S.S.c.(int. rels), 63; Ph.D. (polit. sci.), New Sch. Soc. Res, 58. Instr., Mil. Sch, Czech, 36-37; asst. prof. soc. sci. State Univ. N.Y. Col. Morrisville, 64-66; assoc. prof. SOC. STUDIES, CLAF-LIN, 68-69, PROF, 69- Participant, Summer Inst. Anthrop, Boulder, Colo, 65; Summer Inst. Statist. & Res, Suffern, N.Y., 66; Summer Inst. tor Teachers Econ, Atlanta, Ga, 70. Czech. Army, 35-37, 1st Lt. Address: Emory Towers, Apt. 33, Orangeburg, S.C. 29115.
- STANLEY, DAVID T, b. East Orange, N.J. Aug. 18, 16; m. 41; c. 3. PUBLIC ADMINISTRATION. A.B, Princeton, 37; M.A, American Univ, 61. Clerk, N.J. Civil Serv. Cmn, 38; mem. staff personnel, U.S. Farm Credit Admin, 38-42; div. chief training, U.S. Vet. Admin, 46-48; br. chief personnel, U.S. Aur Force, 48-49; dep. chief civilian personnel policy, U.S. Dept. Defense, 49-53; br. chief personnel, U.S. Admic Energy Crm, 53-56; mgt, appraisal officer, U.S. Pub. Health Serv, 56-58; dir. mgt, policy, Dept. Health, Ed. & Welfare, 58-61; SR. FEL. GOVT. STUDIES, BROCKINGS RNST, 61- Consult, Gov. Cmn. Elficiency, Ga, 63-65; Nat. Insts. Health, 69. Mem. task force orgn. health serv, Dept. Health, Ed. & Welfare, 56-66. U.S.A.A.F, 42-45, Sgt. Polit. Sci. Asn; Soc. Pub. Admin; Soc. Presonnel Admin. Personnel; management. Publ. Professional personnel for the City of New York, 63, The higher civil service, 64 & Changing administrations, 65, Brookings. Address. Governmental Studies Program, Brookings Institution, 1775 Massachusetts Ave. N.W. Washington, D.C. 20036.
- STANLY, DR. THOMAS JACKSON. Agricultural Economics & Education. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Head, 69-, Dept. ol Agriculture, Stephen F. Austin State University, Box 3000, SFA Station, Nacogdoches, Tex. 75961.
- STANTON, PROF. BERNARD F(REELAND). Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Correction: Prof. agr. econ. & chmm. dept, Cornell, 68- Address: 2 Sandra Place, Ithaca, N.Y. 14850.
- STANTON, DR. ERWIN S. Industrial & Personnel Psychology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Pres, E.S. Stanton & Assocs, Inc, 68-; assoc. prof, St. John's (N.Y), 69- Address: 1496 Gaston St, Wantagh, N.Y. 11793.
- STANTON, DR. LYNN A(RTHUR), b. Earlville, N.Y., Jan. 20, 33; m. 53; c. 4. AGRICULTURAL ECONOMICS. B.S, Cornell, 59, M.S, 61; Ph.D. (agr. econ), La. State, 70. Farm management specialist, Cornell, 60-65; res. instr. agr. econ, La. State, 68-69; ASST. PROF. AGR. ECON. & STATE FARM MGT. EXT. SPECIALIST, WEST VIRGINIA, 69- U.S.M.C, 51-55, Sgt. Agr. Econ. Asn. Farm management. Address: Dept. of Agricultural Economics, West Virginia University, Morgantown, W. va. 26506.
- STAPLES, DR. FRED R(ICHARD), b. June 22, 34; Can. citizen; m. 58; c. 2. PSYCHOLOGY. B.A, Toronto, 58, M.A, 60; Ph.D. (psychol) & dipl. clin. psychol, Queen's (Onl.) 65. Clin. psychologist, ont. Hosp, Hamilton, 60-61, res. psychologist, New Toronto, 62-63; res. assoc. PSYCHOL, Queen's (Onl.) 63-64, lectr, 64-65, asst. prof, 65-66; SCH. MED, TEMPLE, 66-69, ASSOC. PROF, 69- AAAS; Psychol. Asn. Speech patterns; behavior disorders; psychotherapy. Publ: Co-auth. Social psychological factors in assessing drug effects, In: The present status of psychotropic drugs, Exerpta Medica Found, 69, Response to social and monetary reward in neurosis, J. Psychiat. Res., 70 & Role preparation and expectation of improvement in psychotherapy, J. Nervous & Ment. Diseases, 70. Adress: Eastern Pennsylvania Psychiatric Inst, Henry Ave. & Abbottsford Rd, Philadelphia, Pa. 19129.
- STAPLES, PROF. RUTH. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 33 Christian Ave, Concord, N.H. 03301.
- STAR, MARTIN LEON. Mathematical Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Correction: Managerial consult, S.D. Leidesdorf & Co, 67-Address: 25 Willow Lane, Great Nock, N.Y. 11023.
- STAR, DR. SPENCER, b. Chicago, Ill, June 24, 42; m. 68. ECONOMICS. B.S, Illinois, 64; M.A, California, Berkeley, 65, Ph.D.(econ), 70. ASST. PROF. ECON, SOUTHERN METHODIST, 69. Econ. Asn. Microeconomic theory; technological change; human resources; planning and growth; economic development. Address: 2324 Henderson St, Dallas, Tex. 75206.
- STARER, DR. EMANUEL. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 17 Truxton Lane, Northport, N.Y. 11768.

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STARRY, DR. A. R. b. Webster, Lowa, Sept. 13, 34; m. 57; c. 1. PSYCHOLOGY, B. S., Lowa, 58; M.S., Purdue, 60, Ph.D. (bsychol), 62; Asst. dir., eng., personnel, collins Radio Co, summer 60; chig; eral, set, U.S., Anny isted Eval. Center, 62-63; asst. dir. MEASUREMENT & RES. CENTER, PURDUE, 63-65, DR, 65-, ASSOC, PROP. PSYCHOL, 70-, asst. prof., 67-70. Dir., prediction reliability in biographical questionnaires, U.S. Off. Ed, 64-65, asst. dir. integrated curriculum it, lang. & composition in jr. high schs, 65-67; co-investr. Purdue Res. Found. grant, 66-67; regional co-ordinator, Projs. TALENT & EXCEL, 67- Mem, tech. adv. cmt, Ind. Civil Rights Cmn, 67- U.S.A, 53-56. Psychol. Asn; Nat. Coun. Measurement in Ed. Psychological and educational measurement; statistical methodology; data processing techniques; industrial psychology. Publ. Co-auth, The American adolescent—a bewildering amalgam, J. Nat. Ed. Asn, 10/67, Science in the press, Sci. Res, 3/69 & Stability ratings as classifiers of life history item retest reliability, J. Appl. Psychol, 52; 14-18. Address: Measurement and Research Center, Purdue University, Lafayette, Ind. 47907.

STATHACOPOULOS, ARISTOTELIS DEMETRIOS. Electrical Engineering. See Suppl. V to 11th ed, Phys. & Biol. Vols.

STAUB, DR. ERVIN, b. Budapest, Hungary, June 13, 38; U.S. citizen; m. 67. PSYCHOLOGY. B.A. Minnesota, 62; Woodrow Wilson & U.S. Pub. Health Serv. fels. & Ph.D. (psychol), Stanford, 65. ASST. PROF. CLIN. PSYCHOL, HARVARD, 65- Consult, R.I. Dept. Ed, 66-67; Vet. Admin. Hosps, 66-AAAS; Psychol. Asn. Prosocial behavior, especially helping, sharing and cooperation; personality change, especially behavior change; role of control and information in fearfulness and fear elimination. Publ: Co-auth, Aggression, In: Symptoms of psychopathology, Wiley, 70; auth, A child in distress:..., J. Personality & Soc. Psychol, 70; Need for approval, children's sharing behavior and reciprocity in sharing, Child Develop, 70. Address: Dept. of Social Relations, Harvard University, Cambridge, Mass. 02138.

STAUFFER, LT. COL. GLENN FLOYD, U.S.A.F, b. Deloit, Iowa, Aug. 17, 26; m. 49; c. 2. PSYCHOLOGY. B.A, Texas, 48; M.A, Oregon, 51; Ph.D. (psychol), Cornell, 69. U.S. AIR FORCE, 51-, acting chief adaptability res, 5570th Personnel Res. Lab, Lackland Air Force Base, Tex, 66-67, res. projs. officer, statist. anal. br, Personnel Res. Div, 67-69, PROP. AERO-SPACE STUDIES, LEHIGH, 69- Psychol. Asn. Psychometrics; scale construction and evaluation; social psychology; large scale behavioral sciences research. Publ: Co-auth, Use and evaluation of discrete test information research. Publ: Co-auth, Use and evaluation of discrete test information in decision making, 66 & Method for choosing a cutting point on a test, 66, J. Appl. Psychol; Comparative performance of low-ability airmen, Air Force Human Resources Lab, 70. Address: Dept. of Aerospace Studies, Lehigh University, Bethlehem, Pa. 18015.

STAVELY, DR. HOMER EATON, JR. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 69-, Dept. of Psychology, Windham College, Putney, Vt. 05346.

STEA, DR. DAVID, b. New York, N.Y, Dec. 12, 36. PSYCHOLOGY, GEOGRAPHY, B.S. Carnegie Inst. Tech, 57; M.S. New Mexico, 61; Nat. Sci. Found. fel, Stanford, 61-64, Ph.D. (exp. psychol), 64. Carnegie interdisciplinary teaching fel, psychol. & environ. design, Brown, 64-66, lectr. psychol, 66-67; asst. prof. GEOG. & PSYCHOL, CLARK, 67-69, ASSOC. PROF, 69-Vis. prof, Nat. Univ. Mexico, 66-67; Soc. Sci. Res. Coun-Latin Am. Studies Cmt. res. fel, 66-67; U.S. Off. Ed. res. grant, 68-70. Sig.C, U.S.A, 58, Res. 57-66, 1st Lt. AAAS; Psychol. Ass; Interam. Soc. Psychol.; Inter-Am. Soc. Planning. Environmental perception and cognition; human and animal socio-spatial behavior; cognitive maps; urban problems in developing countries, especially Latin America. Publ: Reasons for our moving, Landscape, 1; 27-28; Mediating the medium, Am. Inst. Architects J. 12/67; La conducta humana y el diseno urbano, Rev. Soc. Interam. Planificacion, 9/68. Address: Graduate School of Geography, Clark University, Worcester, Mass. 01610.

STEBELSKY, DR. IHOR, b. Krakow, Poland, Sept. 6, 39; Can. citizen; m. 63; c. 2. GEOGRAPHY. B.A. Toronto, 62, M.A., 64; Ph.D.(geog), Washington (Seattle), 67. Far East. & Russian Inst. res. fel, Washington (Seattle), 68; ASST. PROF. GEOG, WINDSOR, 88. Summers, Am. Philos. Soc. res. grant, 68, Can. Coun. res. grant, 69, Far East. & Russian Inst. res. fel, 69. Asn. An. Geog. Historical geography of Windson. Windson, Opt. Can. of Windsor, Windsor, Ont, Can.

STECHER, DR. SIDNEY, b. New York, N.Y, Sept. 17, 35; m. 62; c. 2., EX-PERIMENTAL PSYCHOLOGY. Ph.D.(exp. psychol), City Univ. New York, 67. Res. asst. sensory psychol, Brooklyn Col, 63-65, lectr. PSYCHOL, 64-66; ASST. PROF, BRANDEIS, 66- U.S. Pub. Health Serv, Nat. Inst. Neurol. Diseases & Blindness res. grant, 67-69; U.S. Pub. Health Serv, Vge Res. Found. res. grant, 69-73; summer instr. Pratt Inst. Tech, 65. Consult, Bolt Beranek & Newman, Inc. 67; Senders Assocs, 68-Nat. Guard, 61. AAAS; Optical Soc. Am; Inter-Soc. Color Coun; Psychol. Asn; Asn. Res. Ophthal;

Psychonomic Soc. Psychophysics and scaling; operating characteristics and general laws of sensory systems in information processing; temporal and spatial interaction effects in sensory function. Publ: Luminance discrimination and simultaneous contrast, Am. J. Psychol, 68; Temporal and spatial effects in luminance discrimination, 68 & co-auth, The relationship between binocular brightness matches and luminance discriminability of successively presented light flashes, 69, Perception & Psychophys. Address: Dept. of Psychology, Brandeis University, Waltham, Mass. 02154.

STECKLEIN, PROF. JOHN ELLSWORTH. Educational Research. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Bureau of institutional Research, University of Minnesota, 9 Clarence Ave. S.E., Minneapolis, Minn.

STEDMAN, PROF. M(URRAY) S(ALISBURY), JR. Government. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. 69-, Dept. of Political Science, Temple University, Philadelphia, Pa. 19122.

STEED, DR. GITEL P. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Ph.D.(anthrop), Catholic Univ, 69, Address: Dept. of Anthropology, Hofstra University, Hempstead, N.Y. 11550.

STEED, DR. GUY PERCY F, b. Singapore, Malaysia, Oct. 20, 38; m. 67; c. 1. ECONÓMIC GEOGRAPHY. B. A. McGill, 61; Ph.D. (geog), Washington (Seattle), 66. Lectr. econ. geog, Queen's (Belfast), 64-65; ASST. PROF. GEOG, SIMON FRASER UNIV, 66- Brit. Coun. grant, 67-68. Asn. Am. Geog; Econ. Asn; Regional Sci. Asn; Can. Asn. Geog. Geography of business enterprise; manufacturing; regional planning. Address: Dept. of Geography, Simon Fraser University, Burnaby 2, B.C, Can.

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STEENLAND, DR. ROGER L, b. Chicago, Ill. Oct. 19, 37; m. 61; c. 2. CLIN-ICAL PSYCHOLOGY. A.B. Calvin Col. 60; Ph.D. (clin. psychol), Purdue, 64. Staff psychologist, Pine Rest Christian Psychologist, Carad Rapids, Mich., 64-66; asst. prof. psychol. & clin. psychologist, counseling center, Hope Col., 66-69; ASSOC. PROF. PSYCHOL. & DIR. PSYCHOL SERV. AP-PALACHIAN STATE, 69- Clin. psychol. consult, Christian Guid. Center, Grand Rapids, Mich., 65-68. Relationship between religion and mental lilness and mental health; process of group and individual psychotherapy; counseling. Publ. The development of a religious neuroticism inventory, Proc. Christian Asn. Psychol. Studies, 4/68 & Religion and psychology; bedfellows, Faculty Pub. Appalachian State Univ, 3/70. Address: Psychological Services, Appalachian State Univ. 3/70. Address: Psychological Services, Appalachian State Univ. 9, N.C. 28607.

STEENSEN, DR. DONALD H. J. Forest Economics. See Suppl. V to 11th ed, Phys. & Biol. Vols.

STEFFLRE, PROF. BUFORD (LOUIS). Counseling, Guidance. See 11th ed, Soc. & Behav. Vols, deceased 69.

STEFFLRE, PROF. VOLNEY, b. McGregor, Minn, Nov. 6, 31. PSYCHOLOGY, ANTHROPOLOGY. B. A. Reed Col., 58: Harvard, 58-60, jr. fel, Soc. of Fels, 60-63. Lectr. psychol, Yale, 63-64; asst. prof. sociol. & psychol, Michigan, 64-65; vis. asst. prof., California, Los Angeles, 65-66; asst. prof. PSYCHOL. & ANTHROP, CALIFORNIA, IRVINE, 66-69. ASSOC. PROF. 69-Res. fel, Rand Corp, Calif, 65-66. U.S.A, 51-54. AAAS, Psychol. Asn. Ling. Soc. Am. Relations between language and thought and language and behavior; data processing techniques. Publ: Co-auth, Language and cognition revisited, J. Abnorm. & Soc. Psychol, 69: 472-481; awtl, Simulation of people's behavior toward new objects and events, Am. Behav. Scientist, 8: 12-16 & Language and cognition in Yucatan: a cross cultural replication, J. Personality & Soc. Psychol, 4: 112-115. Address: Dept. of Psychology & Anthropology, School of Social Sciences, University of California, Irvine, Calif. 92664.

STEGEMOELLER, PROF. HARVEY, b. Sagerton, Tex, Feb. 23, 29; m. 53; c. 6. AMERICAN HISTORY. B.A. Concordia Sem.(Mo), 50; Washington (St. Louis), 50–55; Southwest Col.(Kans), 51–52; M.A. Toledo, 62; Non-western Studies fel, Georgetown, 67–68. Instr. HIST, St. John's Col, 53–56; asst. prof. CONCORDIA SR. COL, 58–63, ASSOC. PROF. 63– American politics; counseling and guidance. Address: Dept. of History, Concordia Senior College, Ft. Wayne, Ind. 468065.

STEGENGA, DR. PRESTON J. History, Political Science. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

STEGER, DR. JOSEPH A(LOYUSIS). Psychology, Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Psychology, State University of New York, Albany, N.Y. 12203.

STEHBENS, DR. JAMES A, b. Jan. 19, 40; U.S. citizen; m. 63; c. 2. EDUCATIONAL PSYCHOLOGY. B.S, Jowa State, 62; summers, Long Beach State Col, 63, 64; Ph.D.(ed, psychol), Iowa, 67. Teaching ast. math, IOWA, 64-66, res. asst. ment. retardation, 66-67, ASST. PROF. PEDIAT. & SR. PSY-CHOLOGIST, STATE SERV. CRIPPLED CHILDREN, 67- Psychol. Asn; Ed.

Res. Asn. School psychology; relationships between parental attitudes and school achievement; psychological status of children who have had rheumatic fever; socioeconomic correlates of perceived parental attitudes. Address: of Pediatrics, University of Iowa, Iowa City, Iowa 52240.

STEIMEL, DR. RAYMOND J(OSEPH). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dean admissions, 68-, Catholic University of America, Washington, D.C. 20017.

STEIN, DR. ARTHUR B, b. Philipsburg, Pa, Aug. 25, 37; m. 64; c. 2. PO-LITICAL SCIENCE, INTERNATIONAL RELATIONS. A.B, Pa. State, 55, Woodrow Wilson fel, 61. 6-53, M.A., 62, Penfield fel, 63-64, Ph.D. (ntt. rels), 65; Fulbright fel, Melbourne, 59-60. Vis. asst. prof. POLIT. SCI, Pa. State, 64-65; asst. prof. RHODE ISLAND, 65-67, ASSOC. PROF, 67-Nat. Defense For. Lang. fel, California, Berkeley, 67-68. Polit. Sci. Asn, Asn. Asian. Studies: Asn. Adv. Slavic Studies. Interaction between nation states; studies of non-Western politics; radical social and political change; intergroup re-lations; study of creating a just international order. Publ: India and the lations; study of Creating a just international order. Fush, make any the Soviet Union: the Nehru Era, Univ. Chicago, 69; American-Soviet relations: some thoughts on the future, Univ. R.I., 69; The Afro-American and Jewish American, Negro Univs. 70. Address: 126 Washburt Hall, Dept. of Political Science, University of Rhode Island, Kingston, R.I. 02881.

STEIN, PROF. BURTON. Indian History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

STEIN, DR. DAVID D(ANEL), b. Elizabeth, N. J. Sept. 2, 36. SOCIAL & COM-MUNITY PSYCHOLOGY. B.S. California, Los Angeles, 58, Ph.D. (psychol), California, Berkeley, 65; M.S. Calif. State Col. Los Angeles, 61. Nat. Inst. Caniorina, Berkeley, 65; M.S., Calif. State Col. Los Angeles, 61. Nat. Inst. Ment. Health fel. community ment. health, ALBERT FINSTEIN COL. MED, YESHIVA, 65-67, ASST. PROF. PSYCHIAT, COL. MED. & SOUND VIEW-THROGS NECK COMMUNITY MENT. HEALTH CENTER, 67-, MEM. PARTTIME FACULTY, FERKAUF GRAD. SCH. HUMANITIES & SOC. SCI. UNIV, 68- Psychol. Asn. Community mental health, small group theory; prejudice; attitudes and belief systems. Address: Dept. of Psychiatry, Albert Einstein College of Medicine, Yeshiva University, Bronx, N.Y. 10461.

STEIN, PROF. HARRY L. Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof. 68-, Graduate Division, Faculty of Education, University of British Columbia, Vancouver 8, B.C.

STEN, DR. HERBERT. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Mem, 70-, President's Council of Economic Advisors, The White House, Washington, D.C. 20500.

STEIN, DR. MONROE. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Staff clin. psychologist, Vet. Admin. Hosp, Clarksburg, 69-, consult, Pastoral Counseling Center. Address: Veterans Administration Hospital, Clarksburg, W.Va. 26301.

STEIN. DR. PETER JOSEPH, b. Prague, Czech, Sept. 22, 36; U.S. citizen. SOCIOLOGY. B.A. City Univ. New York, 59; M.A. & Ph.D.(sociol), Princeno, 69. Res. asst, Russell Sage Found, summers 64 & 65, fall 66; ASST. PROF. SOCIOL, DOUGLASS COL, RUTGERS, 66- Lectr, Princeton, 67; Rutgers Univ. Res. Coun. grants, 69-70; lectr, Labor Union Acad, Rutgers, 70; summers, N.Y. Univ. 65 & 66; lectr, summer prep. prog. Douglass Col. 69. Rutgers faculty fel. 70. Sig. C. U.S.A., 58-65. Sociol. Soc; Soc. Study Social Probs. Sociology of education; Eastern Europe and Soviet society Social Probs. Sociology of education; Eastern Europe and Soviet society: Lutter, 68. Address: Dept. of Socialization and society; Lutte, 68. Address: Dept. of Sociology, 69803.

STEIN, DR. WALTRAUT J(OHANNA) H(EDWIG). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV. Philos, Relig. & Law.

STEIN, DR. ZENA. Epidemiology. See Suppl. V to 11th ed, Phys. & Biol.

STEINBERG, DR. DANNY D(AVID), b. Toronto, Ont, Aug. 10, 31; m. 62; c. 1. PSYCHOLOGY, LINGUISTICS. B.A, British Columbia, 60; M.A. Hawaii, 64, Ph.D. (Jsychol), 66. Res. Assoc. PSYCHOLING, d. res. & develop. center, Hawaii, 66-67; Nat. Inst. Mental Health res. fel, inst. commun. res, Illinois, Urbana, 67-69; ASST. PROF. DEPT. SPEECH-COMMUN, HAWAII, 69-PSY Urbana, 67-69; ASST. PROF, DEPT. SPEECH-COMMUN, HAWAII, 69- Psy-chol. Asn, Ling. Soc. Am. Psycholinguistic processes; semantic theory; infant reading; speech perception. Publ: Co-auth & ed. Semantics: an inter-disciplinary reader in philosophy, linguistics and psychology, Cambridge, 70, auth, Analyticity, amphigory and the semantic interpretation of sen-tences, J. Verhal Learning & Verbal Behav, 70 & Negation, analyticy, amphigory, and the semantic interpretation of sentences, J. Exp. Psychol, 70. Address: Dept. of Speech-Communication, University of Hawaii, Hono-

STEINBICKER, PROF. PAUL G(BORGE). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Vis. prof, 68-, University of Dayton, Dayton, Ohio 45409.

STEINER, DELBERT M(ICHAEL). Transportation Economics, Statistics. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chief costing & pricing, 70-, Research Dept, Canadian Transport Commission, Congill Bldg, 275 Slater St, Ottawa, Ont, Can.

STEINER, DR. DIETER. Geography. See Suppl. VI to 11th ed, Phys. & Biol.

STEINHOFF, DR. CARL ROBERT. Educational Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. ed. admin, 68-, School of Education, New York University, 4 Washington Place, New York, N.Y. 10003.

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STELMACH, DR. GEORGE E, b. Harvey, Ill, Oct. 9, 39; m. 65; c. 2. PSY-CHOLOGY, ERGONOMICS. B.S. Illinois, Champaign, 61; M. A. California, Berkeley, 44, Ed. D. (psychol. ed), 67. Assoc. kinesiology, California, Riverside, 64-65; ASST. PROF. ERCONOMICS, CALIFORNIA, SANTA BARBARA, 67-Psychonomic Soc, Human Factors Soc; Ass. Health, Phys. Ed. & Recreation. Psychological basis of human performance; motor learning; retention, mechanisms of motor response. Publ: Short-lerm motor memory as a function of response-similarity, J. Motor Behav, 1: 37-44; Prior positioning responses as a factor in short-term retention of a simple motor task, J. Exp. Psychol, 81: 526; Individual differences and intra-variability in motor performance under continuous practice conditions, J. Human Factors, 11: 201-206. Address: Dept. of Ergonomics & Psychological Education, University of California, Santa Barbara, Calif. 73106.

STEMPEL, PROF. GUIDO H, III, b. Bloomington, Ind, Aug. 13, 28; m. 52; c. 3. MASS COMMUNICATION. A.B, Indiana, 49, A.M, 51; Ph.D.(mass commun), Wisconsin, 54. Sports ed, Frankfort Times, Ind, 49-50; instr. pournalism, Pa. State, 55-57; from assoc. prof. to prof. Central Michigan, 57-65; from assoc. prof. to PROF. DURNALISM & GRAD. COORDINATOR, OHIO, 65-Res. dir, Nat. Coun. Col. Publ. Adv, 62-69. Asn. Ed. in Journalism. U.S.A, 54-55. Content analysis, especially of political campaign coverage and public opinion survey research. Publ: Selectivity in readership of political enews, Pub. Opinion Quart, fail 61; An empirical exploration of the nature of news in Paul J. Deutschmann memorial papers in mass communications research, Scripps-Roward, 63; The prestige press in two presidential elections, Journalism Quart, winter 65. Address: Seven Lamar Dr, Athens, Ohio 45701.

STEMPEL, DR. JOHN DALLAS. Political Science, International Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Staff asst. to under secy. state, 69-, Dept. of State, Seventh Floor, Washington,

STENE, PROF. EDWIN O(TTO). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Univ. prof. polit. sci, Kansas, 69- Address: 1644 University Dr., Lawrence, Kans. 66044.

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STENSLAND, DR. PER GUSTAF, b. Lidingo, Sweden, May 9, 13; U.S. citizen; m. 34; c. 3; m. 43; c. 1. SOCIOLOGY OF EDUCATION. Fil. Kand, Stock-no. 34; c. 3; m. 43; c. 1. SOCIOLOGY OF EDUCATION. Fil. Kand, Stock-no. 34; Ph.D. Columbia, 50; sammers, and the stock-no. 54; Ph.D. Columbia, 50; sammers, and the stock-no. 54; Ph.D. Columbia, 50; sammers, 16; high stock sweden; 37–44; lectr. Swedish, dept. Germanic lang, & adult ed, teachers col. Columbia, 44-48; assoc. prof. ed, Inst. Citizenship, Kans. State Col., 48–52; prof. ed, Tex. Tech. Col., 52–57; consult. sociol. & community develop, European Productivity Agency, Sardinia, 57–59; training officer, 60–62, dir. res. Studies, Univ. Saskatchewan, 59–60, chief training officer, 60–62, dir. res. utilization, 62–64, prof. ed, univ, 64–67; sr. mem. soc. & prev. med, MIL-BANK MEM. FUND, 67–69, V.PRES. TECH. AFFAIRS, 69 - Staff mem. summer insts. & workshops, Newfoundland Dept. Ed, 43–66; Univ. Wyoming, 49–50; Pa. State Col., 50–52; Laquemac, Macdonald Col. & Laval, 52 & 54; Chautaqua Inst, 53–54; Nat. Training Lab, 55; Univ. Arizona, 57. Consult, Int. Coop. Admin. Conf. Libya & UN Tech. Assistance Seminar, Palermo, 38; Can. Asn. Adult Ed, 59–67; His Royal Highness Duke of Edinburg 2nd Commonwealth Conf., local govt. cmt, Govt. Sask. Can. Col. Gen. Practice, 61; Nat. Labour Mgt. Coun, 63; Milbank Mem. Fund, 64–67. Mem. Commonwity and development, Centre for Commonwity Studies, Saskatoon, Sask, 62; Adult Ed. Asn. U.S; Pub. Health Asn; Can. Asn. Adult Ed. 67; health professional and the changing community, Milbank Mem. Fund, Quart, Vol. XLIII. No. 4. Address: Milbank Memorial Fund, 40 Wall St. New York, N.Y. 1000.

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STEPHAN, PROF. A(NTHONY) STEPHEN. Sociology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New information: No longer chum, Dept. of Sociology & Anthropology, University of Arkansas, Fayetteville, Ark. 72701.

STEPHAN, PROF. FREDERICK F(RANKLIN). Statistics, Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also asst. chim 68-, Dept. of Statistics, Princeton University, Fine Hall, Princeton, N.J.

STEPHANSON, PROF. EARL M(ARVIN). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. econ, Wright State, Dayton, Ohio, 69- Address: 2500 Rawnsdale Rd, Kettering, Ohio 45440.

STEPHENS, DR. J(OHN) KIRKER, b. Chicago, Ill, July 10, 41; m. 61; c. 1. ECONOMICS. B.A, Swarthmore Col. 62; M.A, Illinois, Urbana, 63, Nat. Sci. Found. fels, 63-64, 65-67, Ph.D. (econ), 67. Summer staff mem, U.S. Naval

Missile Center, Point Mugu, 65, 66; ASST. PROF. ECON, OKLAHOMA, 67-Chief Economist, Syst. Synthesis Inc, Ojai, Callf, 69 - Statist. consult, Gov. Adv. Cmt. Taxation, Okla, 68-70. Econ. Asn; Economet. Soc; Econ. Study Soc; Math. Asn. Am; World Future Soc. Mathematical economics; macro-economic theory, especially growth models; human transportation and lodging. Publ: High interest rates: fact or fiction, Okla. Bus. Bull, 5/68; The simple analytics of neoclassical growth theory: comment, Quart. Rev. Econ. & Bus, summer 69; Two Keynesian models of simultaneous inflation and unemployment, Nebr. J. Econ. & Bus, winter 70. Address: Dept. of Economics, University of Oklahoma, Norman, Okla. 73069.

STEPHENS, KEITH T, b. Ogden, Utah, May 12, 23; m. 55; c. 3. MARKETING, ECONOMICS. B.S, Brigham Young, 49; M.S, N.Y. Univ, 52; M.B.A, Michigan, 58. Asst. prof. mkt, econ, Fairleigh Dickinson, 59-60; real estate res. analyst, Equitable Life Assurance Soc. U.S, 60-67; asst. v.pres, Morgan Guaranty Trust Co. N.Y. 67-68; ASSOC. PROF. MKT, ECON, SETON HALL, 68-Nat. Planning Asn; Mkt. Asn; Econ. Asn. U.S.A, 43-45. Real estate economics; economic forecasting; banking and finance; logistics. Address: 3 Lorraine Rd, Madison, N.J. 07940.

S TEPHENS, DR. THOMAS MARON, b. Youngstown, Ohio, June 15, 31; m. 55. PSYCHOLOGY, EDUCATION. B.S. Youngstown, 55; M.Ed. Kent State, 57; U.S. Off. Ed. fel, Pittsburgh, 64-65, Ed.D. (spec. ed., rehab), 66. Teacher, pub. schs, Ohio, 55-57; sch. psychologist & remedial teacher, Niles Pub. Schs, 57-58; sch. psychologist, Montgomery County Pub. Schs, 58-60, consult, progs. for gittled children, div. spec. ed., State Dept. Ed., 69-62, adversed, of the control of the control

STEPHENS, PROF. WILL BETH, b. Van Horn, Tex, July 14, 18; m. 43; c. 2. EDUCATIONAL PSYCHOLOGY. B.F.A. Texas, 42 M.Ed. 58, U.S. Off. Ed. 61, 60-62, P.D. I, ed. P.S. 16, 65-62, P.D. I, ed. P. I. 16, 65-62, P.D. I, ed. P. I. 16, 65-62, P.D. I, ed. P. I. 16, 65-63, P. I. 16, 65-64, P. I. 16, 65-65, P. I. 16, P. I. 16,

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STEPHENSON, DR. BOBBY LYNN, b. Remlap, Ala, Nov. 15, 41; m. 68; c. 1. EDUCATIONAL PSYCHOLOGY. B.S, Alabama, 63, M.A, 65, Ph.D. (ed. psy-chol. & counseling), 68. Teacher, jr. high sch, 63-65, ASST. PROF. PSY-CHOL, NORTHEAST LA. STATE COL., 66- Asn. Ment. Deficiency. Social class and language development; psycholinguistics. Address: Dept. of Psychology, Northeast Louisiana State College, Monroe, La. 71201.

STEPHENSON, CHARLES M. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Chief govt. res. staff, 68-, Division of Navigation Development & Regional Studies, Tennessee Valley Authority, 525
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STEPHENSON, DIANE DURHAM, b. Birmingham, Ala, July 20, 30; m. 53; c. 3. SOCIOLOGY, URBAN PLANNING. B. A, Alabama, 51, M.A, 53. Res. assoc. soc. sci, Alabama, 52-54; seciol, Coucy & Couey, 54-55; res. consult. human rels, med. center, Alabama, 56-60; dir. res. community planning, Birmingham Community Coun, 60; admin. asst. health planning, 6a. Dept. Pub. Health, 60-62, planning officer, 62-67; chief epidemiologist, 67-68; RES. ASSOC, SCH. SOC. WORK, GEORGIA, 68- Consult, Ga. Dept. Ed. 63-68; Appalachian Regional Cmm, 66-67. Pub. Health Asn; Sociol. Asn; World Future Soc. Health planning; health services delivery; child welfare. Publ: Co-auth, Institutional nurses, Univ. Ala, 54; auth, The concept of multi-county demonstration health facility, in: Community planning comprehensive health services, Appalachian Regional Cmm, 66; Health Service planning, Ga. County Govt. Mag, 68. Address: Social Work Research Center, University of Georgia School of Social Work, Athens, Ga. 30601.

STEPHENSON, DR. RICHARD ALLEN, b. Cleveland, Ohio, June 8, 31; m. 52; c. 3. GEOGRAPHY, GEOLOGY. B.A. Kent State, 59; M.S., Tennessee, 61; Ph.D. (geog, geol), Iowa, 67. Engr. aid, Akron City Planning Cmn, Ohio summer 59; area planner, State Planning Cmn, Tenn, 59-61; planner, C.V. Hill & Assoc, 61-62; ASST. PROF. GEOG, East Carolina, 62-67; GEORGLA, 67- U.S.N., 50-54. Asn. Am. Geog; Geol. Soc. Am. Analysis of surfaces; fluvial geomorphology, channel and hydraulic geometry, drainage system analysis; resource planning and developm ent; quantitative techniques, socially multivariate analysis and developm ent; quantitative techniques, because of the control of th

of Iowa, In: Iowa studies in geography, Univ. Iowa, 68; auth, Spatial variation of flood frequencies as related to hydraulic geometry, Southeast. Geol, 69 & On the use of grain size analysis in geomorphological studies, Prini. Geogr, 70. Address: Dept. of Geography, University of Georgia, Athens, Ga. 30601.

STEPHENSON, DR. ROBERT L(LOYD). Anthropology, See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Dir. inst. archeol. & anthrop, South Carolina, 68-; archeologist, State of S.C, 68- Address: 5831 Satchel Ford Rd, Columbia, S.C. 29206.

STERCHO, PROF. PETER G(EORGE). Economics, Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. econ, Drexel, 69- Address: 340 Meeting House Lane, Narberth, Pa. 19072.

STERLING, PROF. ROBERT R, b. Bugtussle, Okla, May 16, 31. ACCOUNT-ING. B-S, Denver, 56, M.B.A, 58; Ford Found. fel, Florida, 58-60, Ford Found, grant, 60-61, Ph.D. (econ), 64. Lab. Instr. Eng, Denver, 54-55, instr. econ, 55-57; acct, Florida, 57-62; asst. prof, Southern California, 62-63; soc. sct. Harpur Col, 63-66; assc. prof. BUS. ADMIN, KANSAS, 67-69, PROF, 69. Ford Found. faculty fel. bus, 65-66; Nat. Sct. Found. sct. faculty fel, Yale, 66-67. Bk. rev. ed, Acct. Rev, 69- Am. Inst. Cert. Pub. Acçt. sgold medal, 69. U.S.A, 45-47; U.S.N, 50-52. Am. Acct. Asn. Theories of income and wealth; methodological problems; philosophy of science. Publ: The theory of the measurement of enterprise income, Univ. Kansas, 70; The going concern: an examination, Acct. Rev, 7/68; An abstract of accounting theory, Ann. Econ. & Mgt. Sci, 68. Address: 2514 Harvard Rd, Lawrence, Kans. 66044.

STERN, DR. DAVID H(AROLD). Economics. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New information: Pres, Back to Eden, 69- Address; 4970 Cass St, San Diego, Calif. 92109.

STERN, DR. ELIZABETH. Experimental Pathology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

STERN, PROF. GEORGE G(ORDON). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir, 68-, Social Psychology Training Program, Syracuse University, Syracuse, N.Y. 13210.

STERN, DR. ROBERT M(ORRIS), b. New York, N.Y. June 18, 37. EXPERIMENTAL PSYCHOLOGY. A.B. Franklin & Marshall Col, 58; M.S. Tutts, 60; Ph.D. Indiana, 63. Asst, Tutts, 56-60; res. psychologist, Harvard Med. Sch, 60; teaching asst, Indiana, 60; teaching asste, 6; ers. assf, 61-62, res. assoc, 63-65; asst. prof. PSYCHOL, PA. STATE, 65, ASSOC. PROF, 68-AAAS; Psychol. Asn; Soc. Psychophysiol. Res. Feedback of the responses of the autonomic nervous system, their modification and effects on other aspects of behavior. Publ.: Co-auth, Gastric motility: the electrogastrogram, In: A manual of psychophysiological methods, North-Holland, 67; Ability of actors to control their GSRs and express emotion, 1/68 & A comparison of GSR and subjective adaptation to stressful stimuli, 7/70, Psychophysiology. Address: Dept. of Psychology, Pennsylvania State University, University Park, Pa. 16802.

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STESSIN, PROF. LAWRENCE, b. New York, N.Y. July 23, 11; m. 37. MAN-AGEMENT. Ph.D. (pub. admin), N.Y. Univ, 57. Writer, New York Times, 33-85; contrib. ed, Forbes Mag, 38-56; PROF. MGT, HOFSTRA, 58. Indust. Rels. Res. Asn; Acad. Mgt. Labor relations; journalism. Publ. Employee discipline, Bur. Nat. Affairs, 57, The practice of personnel and industrial relations, Pitman, 64 & The disloyal employee, Bur. Bus. Res, 69. Address: Dept. of Business Administration, Hofstra University, Hempstead, N.Y. 11550.

STETTNER, DR. WALTER F(RITZ). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. off. econ. policy, 69-, Bureau for Vietnam, Agency for International Development, Dept. of State, Washington, D.C. 20523.

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- STEVENS, DR. DAVID A, b. San Francisco, Calif, Aug. 27, 32; m. 56; c. 4. COMPARATIVE PSYCHOLOGY, PSYCHOPHARMACOLOGY. A. B, California, Berkeley, 54; Nat. Inst. Ment. Health fel, Oregon, 62-64, M., 63, Ph.D. (comp. psychol), 65. Instr. PSYCHOL, Oregon, 64-65; asst. prof. CLARK, 65-69, ASSOC. PROF. 69. Consult, Worcester Found Exp. Biol, 68-; vis. scientist, Utrecht, 70. U.S.C.G.R, 55-54, Ll.(g). AAAS, Psychol. Asn, Psychology of Learning, Soc. Discenination learning theory; comparative psychology of learning. Soc. Discenination learning theory; comparative psychology of learning.
- STEVENS, REV. EDWARD VINCENT, S.J. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- STEVENS, DR. EVELYN P(ANIAGUA). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Lectr, 69-, Case Western Reserve University, 506 Crawford Hall, Cleveland, Ohio 44106.
- STEVENS, DR. GLADSTONE TAYLOR, JR. Operations Research, Economic Analysis. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- Analysis. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

 STEVENS, HARVEY ALONZO, b. West Allis, Wis, Oct. 20, 13; m. 40; c. 1.

 MENTAL RETARDATION EDUCATION. B.S, Wisconsin-Milwaukee, 39,
 Wisconsin, Madison, 46-51. Teacher, pub. schs, Wis, 39-43; prin, North.

 Wis. Colony & Training Sch, Chippewa Falls, 44-46; state suppr. Bur. Handicapped Children, 46-48; supt, South. Wis. Colony & Training Sch, Union
 Grove, 48-55; E.R. Johnstone Training & Res. Center, Bordentown, N.Y, 55-58; Cent. Wis. Colony & Training Sch, Madison, 58-69; DIR, BUR. MENT.

 RETARDATION, DEPT. HEALTH & SCO. SERV, WIS, 69- Lectr., Wisconsin, Madison, 53- Consult, Nat. Asn. Retarded Children, 51-62; United Cerebral Palsy Asn, Inc, 51-69; Dept. Health, Ed. & Welfare, 56-? President's Panel Ment. Retardation, 62-64; President's Cmt. Ment. Retardation, 67- Distinguished Serv. Award, Wis. Asn. Retarded Children, 64; Int. Leadership Award, Joseph F. Kennedy, Jr. Found, 68; Distinguished Serv. Award, Arts & Letters, 66. Asn. Ment. Deficiency. Education of mentally retarded and development of programs and services to respond to their needs; development of programs and services to respond to their needs; development of programs and services to respond to their needs; development of programs and services to respond to their search, Univ. Chicago, 64; auth. Use of human subjects for research, In: Proceedings of the international Copenhagen Congress for the Scientific Study of Mental Deficiency, Berlingske Bogtrykkeri Denmark, 65; co-auth, An international review of developments in mental retardation, 468. Address: Division of Mental Hygiene, Bureau of Mental Retardation, 1 W. Wilson St, Madison, Wis. 53702.

 STEVENS DR. JAMES W. b. Swansea. S. C. Mar. 2, 38: m. 56: c. 3. POLITI-
- STEVENS, DR. JAMES W, b. Swansea, S.C., Mar. 2, 38; m. 56; c. 3. POLITICAL SCIENCE. B.A, Fla. State, 62, M.A, 64, Ph.D. [oplit, sci), 66. Res. assoc, urban res. center, Fla. State, 66; asst. prol, polit, sci, Maryland, 66-69; ASST. DIR, INST. URBAN AFFAIRS, TEXAS, ARLINGTON, 69-U.S.A, 56-69, Res. 59-66. Soc. Pub. Admin; Polit. Sci. Asn; Urban & Regional Info. Systs. Asn. Urban and regional information systems; organization theory; public administration; data and statistics use in planning, management, and organization. Publ: Governmental organization in east central Florida, Inst. Soc. Res. Fla. State Univ. 67; State-regional information systems: the criminal justice component, Inst. Urban Affairs, Univ. Texas, Arlington, 70. Address: Institute of Urban Studies, University of Texas at Arlington, Arlington, Tex. 76010.
- STEVENS, DR. NANCY DUNCAN, b. Passaic, N.J. Aug. 6, 24. COUNSELING, HISTORY. A.B., Barnard Col., 47, M.A., N.Y. Univ, 50, Ph.D.(counseling), 60. Res. assoc, div. adv. studies, N.Y. Univ, 53.54, asst. dir. placement serv, 54-60; assoc. dir., career counseling & placement bur, HUNTER COL., 60. 68, ASST. PROF. VOC., BEHAV. COLLOQUIUM, DEPT. COUNSELING & STUDENT DEVELOP. & COORDINATOR GEN. COUNSELING, OFF. DEAN STUDENTS, 68-Summers, instr. dept. guid. & student personnel admin, N.Y. Univ, 58-59, 61, lectr, 63-65, vis. asst. prof., 66-68. Personnel & Guid. Asn. Nat. Voc. Guid. Asn. Job seeking behavior; vocational development, student attitudes. Publ. A concept of placement readiness, Voc. Guid. Quart, spring 62; co-auth, The dynamics of job-seeking behavior, J. Employ. Counseling, 6,67 & Who and what influence student attitudes toward occupations, J. Col. Placement, 2-5/68. Address: 54 East Eighth St, New York, N.Y. 10003.
- STEVENS, DR. RICHARD E(DWARD), b. Minneapolis, Minn, Mar. 5, 31; m. 53; c. 2. GEOGRAPHY. B.S. in Ed. Concordia Teachers Col. (Nebr.), 52; M.A. Solorado, 58; Ph.D. Beegel, Kansas, 62. Teacher sparochal sch, 52; M.A. Solorado, 58; Ph.D. Beegel, Kansas, 62. Teacher sparochal sch, 52; C. Clorado, D. DENVER, 68; G. BOG. C. BOG. F. S. S. C. CLORADO, DENVER, 68; 68; ASSOC. PROF. 6. ASSOC. CIMN. DEPT, 69; Fulbright leetr, Univ. Botswania, Lesotho & Swaziland, 67-68; vis. summer prof. Massachusetts, 65; Eng. C. U.S.A, 55-57. AAS: Ass. Am. Geog; Am. Geog. Soc. Agricultural geography, especially land tenure and agricultural practices among primitive peoples; microclimatology and production of crops. Publ. Co-auth, Laboratory manual-deomorphology & Laboratory manual-weather and climate, Univ. Colorado, 65; 69; auth, The development of cattle feeding on the Liano Estacado of Texas-New Mexico, Univ. Colorado, 66; Address: Dept. of Geography, University of Colorado-Denver Center, Denver, Colo. 80202.
- STEVENS, PROF. ROBERT BOCKING. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- STEVENSON, DR. ROBERT C(LARK). Social Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1301 Ptarmigan Dr, Apt. 7, Walnut Creek, Calif. 94595.
- STEVENSON, DR. ROBERT FINDLAY, b. Lowell, Mass, Mar. 11, 23; m. 60. ANTHROPOLOGY. A. B. Columbia col., 48; Ph.D. (anthrop), Columbia, 65. Assoc. ANTHROP, Columbia, 65; lectr, Hunter Col, 64-65; asst. prof.

- STATE UNIV. N.Y. STONY BROOK, 66-68, ASSOC. PROF, 68- Nat. Inst. Ment. Health res. fel. & grant, 65-66; chmn, seminar ecol. systs. & cultural evolution, Columbia, 69-; Nat. Sei. Found. summer instr, adv. high sch. students, Brooklyn Children's Mus, 68. U.S.A.A.F, 43-45, Sgt. AAAS; fel. Anthrop. Asn; fel. African Studies Asn; fel. Am. Geo. Soc; Int. African Inst. Human ecology; comparative political systems and evolution of the state; development of anthropological theory; social organization. Pub! Population and political systems in tropical Africa, Columbia Univ. 68. Address: 179 Bennett Ave, TG, New York, N.Y. 10040.
- STEWARD, DR. DONALD D, b. Liberty Center, Ohio, Sept. 6, 23; m. 56; c. 2. AGRICULTURAL ECONOMICS. B.Sc, Ohio State, 49, Ph.D.(agr. econ.), 60. Teacher, high sch, Ohio, 49-50; farm mgt. specialist, farmers home admin, U.S. Dept. Agr. Ohio, 50-53, agr. economist, econ. res. serv, 56-61; asst. agr. econ, Ohio State, 54-56, asst. prof, univ. & econ. adv, Punjab, India, 61-63; int. agr. economist, ECON. RES. SERV, U.S. DEPT. AGR, WASH, D.C. 63-65, AGR. ECONOMIST, 65- Mem. expert cmt. eval. intensive agr. develop. prog, Govt. of India, 61-63. Superior serv. unit award, U.S. Dept. Agr. 66, merit award, 69. U.S.N, 43-46. Agr. Econ. Asn. Economic development of rural segment of American economy; economic development, primarily of agriculture, within underdeveloped countries throughout the world. Publ: Income, employment and resource use of rural families in Southeastern Ohio, Ohio State Univ, 60; co-auth, Agriculture in 26 developing countries, 66 & auth, Impact of economic opportunity loans on rural residents, 68, U.S. Dept. Agr. Address: 6305 Thomas Dr, Springfield, Va. 22150.
- STEWARD, DR. MARGARET C(AROLYN) S(TOUT). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. clin. prof. psychol, 69-, Dept. of Psychiatry, Medical School, University of California, Davis, Calif. 95606.
- STEWART, DR. ANDREW. Agricultural Economics. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Alberta Universities Commission, 202 Sir John Franklin Bildg, 11111 37th Ave, Edmonton, Alta, Can.
- STEWART, DR. BARBARA S(HERBURNE). Psychology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Exec. dir, 69-, Psychiatric Clinic, Recorder's Court, Detroit, Mich. 48226.
- STEWART, DR. EDWARD C(HARLES) P(EREIRA). Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Intercultural Communication, University of Delaware, Newark, Del. 19711.
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- STEWART, DR. G. KINSEY. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Clin. psychologist, 69- Address: 111 Buena Vista Dr. Long Beach, Miss. 39560.
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- STEWART, DR. HENRY H, JR, b. Windber, Pa, Aug. 3, 37; m. 66. SOCIOL-OGY. A.B. Franklin & Marshall Col, 59; M.A. Miss. State, 61; fel, Fla. State, 61-62, Ph.D. (sociol), 68. Res. assoc. SOCIOL, inst. soc. res, Fla. State, 62-65; asst. prof. RICHMOND, 66-68, ASSOC. PROF, 68- Am. Acad. Arts & Sci. Effects of housing improvements on attitudes of slum dwellers; studies of conditions underlying overt racial conflict in urban areas. Address: Dept. of Sociology, P.O. Box 234, University of Richmond, Richmond, Va. 23173.
- STEWART, DR. KENNETH D. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. & chmn, 68-, Dept. of Psychology, Augusta College, Augusta, Ga. 30904.
- STEWART, DR. PHILIP D, b. Brockton, Mass, Jan. 16, 38; m. 61; c. 2. PO-LITICAL SCIENCE. B.A., Northwestern, 60; fel, Indiana, 61, M.A., 62, Pho. (pollt. sci.), 65; Inter-Univ. Cmt. Travel Grants fel, Moscow, 63. Asst. prof. POLIT. SCI, OHIO STATE, 64-69, ASSC. PROF., 69. Mershon Soc. Sci. Prog. grant-in-aid, Ohio State, 67; Fulbright-Hays fel, 68; summer, faculty fel, 69. Polit. Sci. Asn. Asn. Adv. Slavic Studies. Soviet internal politics including elite studies and interests groups with a major focus on the Communist Party and the decision making process. Publ. Political power in the Soviet Union, Bobbs, 68; Soviet interest groups and the policy process: the repeal of production education, World Polit, 10/68; Khrushchev-Brezhnev-Kosygin-the leadership debate continues, AlarkS, Garmish, Germany, 68. Address: Dept. of Political Science, College of Social & Behavioral Sciences, Ohio State University, 216 N. Oval Dr., Columbus, Ohio 43210.
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- STICE, DR. GLEN F(RANKLIN). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 2 Charlton St. Apt. 2B, New York, N.Y. 10014.

- STICKNEY, LT. COL. FRANK A, U.S.A.F, b. Hartford, Conn, Aug. 9, 29; m. 51; c. 1. MANAGEMENT, BEHAVIORAL SCIENCE. B.S. in B.A, Boston, 51; M.B.A, Air Force Inst. Tech, 55; Ph.D.(mgt), Ohio State, 89. U.S. AIR FORCE, 51-, acct. finance officer, 51-58, spec. asst. missile systs. prog. Boston Procurement Dist, 58-61, res. & develop. mgt, Air Force Ed-With-Indust, res. & adv. develop. div, Avco Corp., Wilmington, Mass, 61-82, prog. mgr. procurement & prod, commun. systs, Electronics Systs. Div, 62-65, mgt. inspector, Systs. Command, 65-67; ASSOC. PROF. SYSTS. MGT, AIR FORCE INST. TECH, 69- Lectr, Northeastern 58-65, Wright State, 68-Acad. Mgt. Organization theory and behavior; organizational designs for program management. Address: Dept. of Systems Management, Air Force Institute of Technology, Wright-Patterson Air Force Base, Ohio 45433.
- STILES, PROF. LINDLEY JOSEPH. Sociology, Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New publ: Education, In: Introduction to college ser, Putnam, 69. Address: Old College, Northwestern University, Room 301, Evanston, III. 60201.
- STILLMAN, DR. CALVIN W(HITNEY). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 68-, Dept. of Environmental Resources, College of Agriculture, Rutgers University, New Brunswick, NJ. 08903.
- STILLMAN, DR. EDMUND, b. New York, N.Y, Sept. 27, 24; m. 47; c. 3. POLITICAL SCIENCE, HISTORY. B.A. Yale, 45; J.D, Columbia, 47. For. Serv. Officer, U.S. Dept. State, 47-51; chier fee. & anal, Radio Free Europe, 22-56; v.pres, Walker & Co. 58-61; SR. ASSCC, Hudson Inst, 62-67; WASH. CENTER FOR. POLICY RES, 68. Rockefeller Found, fel. int. rels, 62; adj. por, 61, holks Sch. Adv. Int. Studies, D.C, 68- Consult, Sandia Corp, 64-; Hudson Inst, 67-; Mitre Corp, 67- U.S.M.C, 44. Soviet area studies; United States felaptions with the Third World. Publ: Co-auth, The new politics, Coward, 61 & Power and impotence: the failure of America's foreign policy, Random, 66; auth, The isolation years: America from Versailles to Pearl Harbor. Am. Heritage, 70. Address: Johns Hopkins University School of Advanced International Studies, 1740 Massachusetts Ave. N.W, Washington, D.C. 20036.
- STIMBERT, DR. VAUGHN ELDEN. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof, 69-, Child Development Center, University of Tennessee Medical Units, 711 Jefferson Ave, Memphis, Tenn. 38105.
- STIMSON, DR. ROGER CLARKE, b. Dec. 25, 29; U.S. citizen; m. 53; c. 3. PSYCHOLOXY. BA, Wesleyan, 51; B.D. Drew, 54; Ph.D. (psychol), Columbia, 66, Asst. prof. counseling, MICH. STATE, 55-67, ASSOC. PROF. PSYCHOL, USTN MORRILL COL. 57 Psychol. Asn. Person perception; group dynamics; personal growth and development; psychotherapy. Publ. Structural differentiation of description, J. Counseling Psychol, 68. Address: 3642 E. Hiawatha Dr. Okemos, Mich. 4869.
- STINI, DR. WILLIAM ARTHUR. Human Biology, Physical Anthropology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- STINNETT, DR. RAY DARRELL, b. Augusta, Kans, July 16, 33; m. 55; c. 3. PSYCHOLOGY. B.A, Cent. Wash. State Col, 61, M.A, 62; Nat. Inst. Ment. Health fel. & D.Ed.(ed. psychol), Oregon, 68. Instr. psychol, Cent. Wash. State Col, 61-62; sch. psychologist, Wash, 62-65; asst. prof. PSYCHOL, Lane Community Col, 66-68; ASSOC. PROF, EAST. ORE. COL, 68. U.S. Off. Ed. grant, 68-69. U.S.A.F., 51-58, S/Sgt. Psychol. Asn. Rote learning methodological studies; operant research. Publ. Retention in retarded and nonretarded children as a function of learning method, Am. J. Ment. Deficiency, (in press). Address: Dept. of Psychology, Eastern Oregon College, La Grande, Ore. 97850.
- STIPE, DR. CLAUDE E(DWIN). Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Ph.D. (anthrop), Minnesota, 68. Assoc. prof, Dept. of Sociology & Anthropology, Marquette University, Milwaukee, Wis. 53233.
- STIVERS, PROF. EUGENE H(AMLETT). Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also acting chmn, 68-, Dept. of Educational Psychology, Temple University, Philadelphia, Pa. 19122.
- STOCK, REV. MICHAEL, O.P. Philosophy, Psychology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- STOCKMAN, PROF. LYNN HOMER. Marketing. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also acting head, Dept. of Marketing, College of Business, University of Arizona, Tucson, Ariz. 85721.
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President's Cmn. White House Fels, 67-68, dir, 68-69; Commonwealth Fund grant & Ford Found. study-travel grant, 69-70; V.PRES, SOCIO-DYNAMICS INDUSTS, INC, 70- Consult, U.S. Dept. Health, Ed. & Welfare, 70. U.S.A.R, 58-67, 1st Lt. Polit. Sci. Asn. United States government research sponsorship: organization, coordination, policy-making, sponsor-performer relations, impact; United States government education programs for the disadvantaged. Publ: Co-auth &ed, Hugo Black and the Supreme Court, Bobbs-Merrill, 67 & Sponsored research in American universities and colleges, Am. Coun. Ed, 68; auth, Congress, the Supreme Court and public policy, Am. Univ. Law Rev, spring 68. Address: 3010 32nd St. N.W, Washington, D.C. 20008.

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STROUP, DEAN HERBERT H(EWITT). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New publ: Co-auth, The future of the family, Family Serv. Asn. Am, 69. Address: Dept. of Student Services, Brooklyn College, Brooklyn, N.Y. 11210.

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STRUEVER, DR. STUART, b. Peru, III, Aug. 4, 31; m. 56; c. 2. ANTHRO-POLOGY, ARCHAROLOGY. B. A. Dartmouth Col. 53; M.A. Northwestern, 60; univ. 61, Chicago, 60-62; Nat. Sci. Found. 61, 62, 64, P. D. (Darsop), 68. Instr. ANTHROP, Chicago, 64-65; NORTHWESTERN, 65-68, asst. prof. 68-69, ASSC. O. PROF. 69-7 Archaeol. Res. Inc. res. grants, 59-69; Wemper-Gren Found. Anthrop. Res. res. grant, 68-69; Nat. Sci. Found. res. grants, 68-79. Mem. Hist. Sites Adv. Coun, III, 69-Soc. Am. Archaeol., 6d, Memoirs, 69-); Anthrop. Asn. Intensive reconstruction of prehistoric lifeways in the central Mississippl Valley from 5,000 B.C. to European arrival; development of archaeological field strategy and methods using the long-term program in the central Mississippl Valley from 5,000 B.C. to European arrival; development of archaeological field strategy and methods using the long-term program in the central Mississippl Valley as a field laboratory. Publ.: Middle woodland culture history in the Great Lakes-Riverine area, Am. Antiquity, 65; Woodland subsistence-settlement systems in the lower Illinois Valley, In: New perspectives in archeology, Aldine, 68 & Problem, methods and organization: a disparity in the growth of archaeology, Anthrop. Archeol. in the Americas, 68. Address: Dept. of Anthropology, Northwestern University, Evanston, III. 66202.

STRUMPEL, DR. BURKHARD, b. Frankfurt-Oder, Germany, June 1, 35; m. 63; c. 2. ECONOMICS. M. B.S. Cologne, 59, Ph.D. (econ), 62. Asst. study dir, inst. soc. res, Univ. Michigan, 60-61; asst. prof. ECON. Gologne, 62-65; German Sci. Found. fel, 65-68; ASSOC. PROF, MICHIGAN, 68-Am. Econ. Asn; German Asn. Pub. Welfare. Human prerequisites of economic development; cross national comparisons of consumer behavior and reactions toward taxation. Publ. Economic development and human behavior, Duncker & Humblot, Berlin, 64; Tax system and economic development, Mohr & Slebeck, Tübingen, 68; co-auth, Aspirations and affluence, McGraw, 70. Address: Institute for Social Research, University of Michigan, Ann Arbor, Mich. 48106.

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STRYKER, RUSSELL F, JR, b. New York, N.Y, May 9, 23; m. 50; c. 3. ECO-NOMIC HISTORY. B.A, Dartmouth Col, 47; M.A, Columbia, 48. Sect. chief mul-econ, intel, U.S. Air Force, 51-57; staff. mem, RNST. DEFENSE ANAL, AR-LINGTON, 57-62, PROL. LEADER MIL. LOGISTICS, 62- Consult, Off. Emergency Preparedness, 68- U.S. A. A.F., 43-45, 87-85t. Opers. Res. Soc. Am, Hist. Asn. Acad. Polit. Sci. Academic concern with economic history branched into specialization economic impact of technology, particularly military and finally to operations research and systems analysis. Address: 9208 Maria Ave, Great Falls, Va. 22066.

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- STUDER, DR. STAFFORD SIDNEY, b. Pipestone, Minn, Mar. 10, 10; m. 36; c. 3. EDUCATIONAL PSYCHOLOGY. B.A., Huron Col., 33; B.D. Louisville Presby. Theol. Sem, 36; Ph.D. (ed. psychol), North Dakota, 51. Acad. dean, Col. Emporia, 56-61 & 63-66; prof. psychol, Kans. State Teachers Col., 61-63; PROF. PSYCHOL. & HEAD DEPT, COL. EMPORIA, 66-, CHMN. DIV. SOC. SCI, 70-, coordinator instal. res, 66-70. Lay psychiatry. Address: Dept. of Psychology, College of Emporia, Emporia, Kans. 66801.
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- STUKAS, DR. JACK J, b. Newark, N.J. Oct. 8, 24; m. 64. INTERNATIONAL BUSINESS. B.S, N.Y. Univ, 49, Ph.D. (area studies), 65; M.S. Columbia, 51. Producer-dir. north Europe, U.S. Info. Agency, 51-54; pub. rels. & advert. mgr, Carteret Savings & Loan Asn, N.J. 54-59; int. mgr, Mkt. & Sales Exec. Int, 59-63; PROF. MkT. & CHMN. DEPT, SETON HALL, 63- Lectr, Baruch Grad. Sch. Bus. City Univ. New York, 62-64; Pace Col, 64-66; Found. Econ. Ed. fel, 68. U.S.A, 43. Mkt. Asn. Area studies; the rise of modern Lithuanian nutlure. Publ: Awakening Lithuania, Florham Park, 66. Address: 1467 Force Dr, Mountainside, N.J. 07092.
- STUMPF, DR. WALTER ERIC. Neuroendocrinology, Endocrine Pharmacology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- STUNKEL, EVA RUSSELL. Personnel Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 5172 Brook Way, Columbia, Md. 21043.
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- STURM, PROF. ALBERT L(EE). Political Science, Public Administration. See L.-Z Vol, 11th ed. Soc. & Behav. Vols. New Publ: Thirty years of state constitution-making, 1938-1968, Nat. Munic. League, 70. Address: Dept. of Political Science, Virginia Polytechnic Institute, Blacksburg, Va. 24060.
- STURTEVANT, DR. WILLIAM C(URTIS). Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Curator dept. anthrop. & mem. center study man, 68-, Smithsonian Institution, Washington, D.C. 20560.
- SUBLETT, DR. AUDREY J. b. San Antonio, Tex, Apr. 27, 37. PHYSICAL ANTHROPOLOGY B. A. Arizona, 81; M. A. Toronto, 63; fel, State Univ. N.Y.
 Buffalo, 65-66, Ph. D. (anthrop), 66. Ant. Sci. Found, res. assoc. ANTHROP,
 State Univ. N.Y. Buffalo, 66-67; ASST. PROF, FLORIDA ATLANTIC, 67Summers, Cornplanter Indian & Nat. Parks Serv. grants res. assot. 64, Nat.
 Sci. Found, proj. dir, Allegany Cemetery Relocations, 65, instr. State Univ.
 N.Y. Buffalo, 66, Am. Philos. Soc. proj. dir, Wagner's Hollow Sie, N.Y, 67,
 State Univ. N.Y. Binghamton prin. investr, Engelbert Site, N.Y. & Nat. Sci.
 Found, prin, investr, Ft. Center Site, Fla, 68 & 68 Fel. AAS, 48. An. Phys.
 Anthrop; fel. Anthrop. Asn; Soc. Am. Archaeol. Human osteology, microevolutionary changes; skeletal anonalies. Publ. The complanter cemetery:
 Skeletal analysis, Pa. Archaeologist, Vol. XXV, No. 2; co-auth, The Kleis
 site: skeletal analysis, N.Y. State Archaeol. Asn. Res. & Trans, Vol. XVI,
 No. 1; auth, Osteological analysis of the Van Son site, Bull. Buffalo Soc.
 Natural Sci., Vol. 24. Address: Dept. of Anthropology, Florida Atlantic University, Boca Raton, Fla. 33432.
- SUBOTNIK, DR. LEO. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Clin. psychologist, 68-, Psychology Service, Veterans Administration Hospital, St. Cloud, Minn. 56301.
- SUCHMAN, PROF. EDWARD A(LLEN). Sociology, Social Psychology. See 11th ed, Soc. & Behav. Vols, deceased 69.
- SUCHMAN, DR. J(OSEPH) RICHARD. Educational & Child Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir, Ortega Park Teachers Lab, Menlo Park, 68- Address: 1766 Willow Rd, Palo Alto, Calif. 94304.
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- SUDMAN, DR. SEYMOUR. Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 68-, University of Illinois, Champaign, 417 David Kinley Hall, Urbana, III. 61801.
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- SUGGS, DR. ROBERT C(ARL). Anthropology, Human Engineering. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Social scientist, U.S. Army Combat Develop. Command, ISSO, Ft. Bragg, 69- Address: 335 Arbutus Rd, Southern Pines, N.C. 28387.
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- SULEIMAN, DR. FUAD K, b. Jerusalem, Palestine, July 3, 34. POLITICAL SCIENCE, INTERNATIONAL LAW. B.A, Boston, 69, M.A, 61; M.A, Tufts, 63, M.A.L.D, 64, Ph.D. (int. law), 68. Lectr. POLIT. SCI, Boston, 63-66; Northeastern 64-66; ASST. PROF, Chapman Col, 68; CENTRAL STATE, 68-Acad. Polit. & Soc. Sci., Mid. East Studies Asn. N.Am. Political development; international law and Middle East conflicts; Islamic political theory. Publ; On revolution and transient freedom, J. Human Rels, Vol. 17, No. 3; The Arab boycott of Israel; a juridical study, Chand, 70. Address: Dept. of Political Science, Central State University, Wilberforce, Ohio 45384.
- SULKOW, DR. MARTIN. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
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- SULLIVAN, DR. DANIEL J(OSEPH), JR. Personnel Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Corp. dir, personnel, 69-, Johnson & Johnson, New Brunswick, N.J. 08903.
- SULLIVAN, DR. EDMUND VINCENT, b. Bayonne, N.J., Aug. 13, 38; m. 66. PSYCHOLOGY. Swiss Govt. fel, Geneva, 60-61; M.A., Syracuse, 65, Ph.D. (psychol), 66. ASSOC. PROF. PSYCHOLO, ONT. INST. STUDIES IN ED, UNIV. TORONTO, 66. Fel. Psychol. Asn. Psychological aspects of political and moral development. Publ: Co-auth, Theories and problems of child development, Grune, 70 & Moral education: interdisciplinary discussions, Univ. Toronto, 70. Address: Ontario Institute for Studies in Education, University of Toronto, 102 Bloor St. W, Toronto 5, Ont, Can.
- SULLIVAN, DR. GLENN HERMAN, b. Belleville, Ill, July 2, 41; m. 64 HOR-TICULTURE, MARKETING. B.S. Western Illinois, 63; M.S. Kansas State, 66; Ph. D. (hort, mith, 67; Pr. de, 18); Hort, 18; M. A. B. Marketi, A.S. Consonic research in processed vegetables and related horticultural industries. Publ: CO-auth, An analysis of the merchandising structure of the retail floriculture industry, 68, An evaluation of the seasonal sales patterns for retail florists, 69 & An analysis of regional trade advantage in processed tomato products, 69, Am. Soc. Hort. Sci. Address: Dept. of Horticulture, Purdue University, W. Lafayette, Ind. 47906.
- SULLIVAN, DR. JAMES JOSEPH, b. Chicago, Ill, Sept. 9, 35; m. 61. ECO-NOMICS. A.B, California, Santa Barbara, 61, M.A, 63; Nat. Defense Ed. Act fel. & univ. fel, Hopkins, 63, Ford Found. fel, 65, Ph.D.fecon), 68. ASST. PROF. ECON, CALIFORNIA, SANTA BARBARA, 66-, proj. dir. & prin. investr, Regent's grant econ. lab, 68-70. San Francisco Fed. Reserve Cent. Banking fel, 69; summer res. asst, Bd. Gov. of Fed. Reserve, 64. Adv. ed, Simulation & Games, 68- U.S.M.C, 53-56, 5gt. Econ. Asn: Economet. Soc. Econometrics; theory and applications of national, local or individual economic policy to facilitate more efficient and optimal decision making. Publ: Co-auth, The economic determinants of the crime rate: an econometric analysis, Criminologica, 11/68; auth, Alternative models of federal reserve behavior, J. Finance, 6/69 & A simulation laboratory for economics, Simulation & Games, 6/70. Address: Dept. of Economics, University of California, Santa Barbara, Calif. 93106.
- SULLIVAN, PROF. LEO M, b. Worcester, Mass, Sept. 28, 23; m. 50; c. 5. PSYCHOLOGY. B.S, Worcester State Col, 47; M.A, Columbia, 48; Clark & Boston, 51-52. Instr. sociol. & psychol, New Bedford Inst. Tech, 48-53, asst. prof, 53-55, PROF, 55-64; PSYCHOL, SOUTHEASTERN MASSACHU-SETTS, 64-Consult, Hollow Boring Corp, 51-58. U.S.A, 43-46. Psychol. Asn. Psychology of adjustment; industrial psychology. Address: 276 Hawthorn St, New Bedford, Mass. 62740.
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- SUMMERS, PROF. CLYDE W. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos. Relig. & Law.
- SUMMERS, DR. DAVID A(NTHONY), b. Charleston, Ill, Jan. 12, 40; m. 62; c. 2. PSYCHOLOGY. B.A, Knox Col, 62; M.A, Colorado, 64, Ph.D.(psychol), 66. ASST. PROF. PSYCHOL, Illinois, Urban, 66-68; KANSAS, 68- Biomed. Sci. res. support grant, 68-69; U.S. Pub. Health Serv. grant, 69- Psychol. Asn; Psychonomic Soc. Cognitive processes, particularly human learning and judgment; role of learning and judgment in interpersonal conflict. Publ: Co-auth, Cognitive dependence upon linear and nonlinear cues, Psychol. Rev, 65; auth, Conflict, compromise and belief change in a decision-making task,

J. Conflict Resolution, 68; Adaptation to change in multiple probability tasks, Am. J. Psychol, 69. Dept. of Psychology, University of Kansas, Lawrence, Kans. 66044.

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pro-dean, 37-38; prof. econ. & finance, Elizabeth Univ, 40-45; vis. prof.
ECON, Innsbruck, 45-46; prof. SYRACUSS, 46-65, EMER. PROF, 66-;
PROF, NORTHERN ILLINOIS, 66- Lectr, Austria, Japan, China, India, Australia, Germany, Netherlands & U.S., 26-; Rockefeller Found. fels, U.S., 29, Geneva, 32; Soc. Sci. Res. Coun. fels, 48-49, 49-50, 56-57; Pord Found. fels, 54, 56-57, 56-63. V.pres, Hungarian Cmt. Price Fixing, Hungary, 36-39; pres, Price Control Bd, 38-39; head dept, Prime Minister's Otf, 38-40.
V.pres, Hungarian Statist. Soc. & Hungarian Inst. Labor Res. Commandeur, Order du Merite Agricole, France, 39. Am. Econ. Asn, Econnomet. Soc; Am. Acad. Polit. & Soc. Sci., San. Comp. Econ; Royal Econ. Soc; Int. Inst. Pub. Finance; assoc. Int. Inst. Sociol. Comparative economic systems; history of economic thought. Publ. Philosophy and economics, 2 vols, Gustav Fischer, Jena, 23, 26; Economic philosophy of the Twentieth Century, Gustav Fischer, Jena, 23, 26; Economic philosophy of the Twentieth Century, Gustav Fischer, Jena, 23, 26; Economic philosophy of the Twentieth Century, Gustav Fischer, Jena, 23, 26; Economic philosophy of the Twentieth Century, Gustav Fischer, Jena, 23, 26; Economic philosophy of the Twentieth Century, Gustav Fischer, Jena, 23, 26; Economic philosophy of the Twentieth Century, Gustav Fischer, Jena, 23, 26; Economic philosophy of the Twentieth Century, Gustav Fischer, Jena, 23, 26; Economic philosophy of the Twentieth Century, Gustav Fischer, Jena, 23, 26; Economic philosophy of the Twent

SURI, PROF. SURINDAR SINGH. Political Philosophy, Sociology of World Politics. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

SURKAN, DR. ALVIN J(OHN). Geophysics, Mathematics. See Suppl. V to 11th ed, Phys. & Biol. Vols.

SUSSEX, DR. JAMES N(EIL). Psychiatry. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychiat, sch. med, Miami (Fla), 68-Address: Jackson Memorial Hospital, Miami, Fla. 33136.

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SUTHERLAND, DR. CHARLES F, b. Camp Grant, Ill, Oct. 1, 21; m. 44; c. 4. FORESTRY ECONOMICS. B.S. Idaho, 48, M.For, 54; Ph.D.(forestry econ), Michigan, 61. Res. forester, Potlatch Forests Inc., 48-53; forest economist, Lake States forest exp. sta, U.S. Forest Serv, St. Paul, Mim, 55-58; asst. prof. FORESTRY ECON. SCH. FORESTRY, OREGON STATE, 59-68, ASSOC. PROF, 68- U.S.A, 40-45, Ist Lt. Biology and management in private industry; marketing and production problems in forestry; taxation and forest protection problems. Address: School of Forestry, Oregon State University, Corvallis, Ore. 97321.

SUTHERLAND, IAN REID. Economics. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prog. anal. officer, U.S. Training & Employ. Serv. Mangower Admin, U.S. Dept. Labor, 68- Address: 12819 Buckingham Dr, Bowie, Md. 20715.

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SWAIN, DR WAYLAND ROGER. Public Health, Environmental Biology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

SWAINE, DR. HOWARD R(ALPH). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Correction: Assoc. prof. & head, 69-, Dept. of Economics, Northern Michigan University, Marquette, Mich. 49855.

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SWANSON, DR. MAYNARD WILLIAM. Modern History, African History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

SWANSON, DR. WAYNE R, b. Providence, R.I., June 15, 41. POLITICAL SCIENCE. B.A, Rhode Island, 63, M.A., 65; Ph.D. (polit. sci.), Brown, 69, ASST. PROF. GOVT, CONN. COL, 69 - Polit. Sci. Ass. Politics of state constitutional conventions. Publ: Committee assignments and the nonconformist legislator, 2/69 & co-auth, Delegates, issues and roll calls in four constitutional conventions, 2/70, Midwest J. Polit. Sci. Political recruitment in four selection systems, West. Polit. Quart, 3/70. Address: Dept. of Government, Connecticut College, New London, Conn. 06320.

SWART, DR. JOHN CARROLL, b. Grand Rapids, Mich, Sept. 29, 31; m. 61. BUSINESS ADMINISTRATION, SPEECH. B. A. Notre Dame, 53; M. A. Indiana, 55; Ph. D. (speech), 60; M. B. A. (61. Lett. speech & bus. admin, Maryland, 61.-67; ASSOC. PROF. BUS. ADMIN, BALL STATE, 67- Acad. Mgt; Mgt. Asn; Speech Asn. Am. Management; communications. Publ. The university student and the technostructure, In: Proceedings of the 11th annual Academy of Management conference, midwest division, Univ. Wisconsin, Madison, 68; Society challenges business, In: Proceedings of the 12th annual midwest management conference, Drake Univ, 69; Business and the social challenge, In: Abstracts from the 55th annual meeting: Speech Association of America, Meyers, 69: Address: School of Business Administration, Ball State University, Muncie, Ind. 47306.

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- SWIFT, DR. DAVID WALLACE, b. Shanghai, China, Oct. 2, 27; U.S. cittzen; m. 54; c. 1. SOCIOLOGY. A.B., California, Berkeley, 50, M.A., 60, Ph.D. (sociol), 67. Teacher, elem. sch, Calif, 50-57; sociologist, Contra Costa Ed. Dept, 62-64; res. dir, Contra Costa County Health Dept, 64-66; instr. SOCIOL, HAWAII, 66-67, ASST. PROF, 68- Vis. prof, San Francisco State Col, summer 69. U.S. Off. Ed. coop. res., grant, 64. Consult, Calif. Senate Cmt. Govt. Admin, 63-64. U.S.A.A.F., 46-47. Sociol. Asn. Public schools as formal organizations; education for minority pupils; subprofessional aides in low income areas. Publ: Ideology and change in the public schools, C.E. Merrill, 70; co-auth, American education: a sociological perspective, Houghton, 71; auth, Interracial effectiveness of community health aides, Phylon, 12/69. Address: Dept. of Sociology, 2550 Campus Rd, University of Hawaii, Honolulu, Hawaii 96822.
- SWIFT, PROF. MARVIN HENRY. Written Communication, Organizational Behavior. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- SWINEHART, DR. JAMES W(ASON). Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also co-dir. doctoral prog. behav. sci. & pub. health, 69-, School of Public Health, University of Michigan, 122 S. First St, Ann Arbor, Mich. 48108.
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- SWOMLEY, PROF. JOHN M, JR. Social Ethics, Political Science. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- SYDNEYSMITH, DR. SAM, b. Bristol, Eng, Jan. 1, 33; Can; m. 60; c. 3. ECO-NOMICS. B.A.Sc., British Columbia, 58, M.A., 64; Ph.D. (econ), Duke, 66. Engr, Imp. Oil Ltd, Alta, 58-59; Rayonier Can. Ltd, B.C., 59-62; ASST. PROF. ECON, SIMON FRASER UNIV, 66- Am. Econ. Asn; Geophys. Union; Can. Econ. Asn. Natural resource economics, particularly economics of environmental quality, outdoor recreation, forestry, water and fish. Publ: Co-auth, Method for allocating logs among several utilization processes, Forest Prod. J, 66. Address: Dept. of Economics, Simon Fraser University, Burnarby 2, B.C., Can.
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- SYLLA, DR. RICHARD EUGENE, b. Harvey, Ill, Jan. 16, 40; m. 63; c. 1. ECONOMICS, ECONOMIC HISTORY. A. B, Harvard, 62, AM, 65, Ph.D. (econ), 69, Asst. prof. ECON, N.C. STATE, 68-70, ASSOC. PROF. 70- Asst. prof. Harvard, summer 69. Econ. Asn; Econ. Hist. Asn. Monetary and financial economics; public finance; economic development. Publ. Federal policy, banking market structure, and capital mobilization in the United States, 1683-1913, J. Econ. Hist, 69; co-auth, La "New economic history metod, objectivi, limiti, Quaderni Storici Marche, 69. Address: Dept. becomomics, Box 5369, North Carolina State University, Raleigh, N.C. 27607.
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- ${\tt SYMONS}, {\tt DR}. {\tt PHILIP}$ <code>EDWARD</code> <code>KYRLE.</code> Animal Behavior. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- SZASZ, PAUL C(HARLES). Law. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 2850 Arizona Terr, N.W, Washington, D.C. 20016.
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- SZAZ, DR. ZOLTAN MICHAEL. International Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Exec. dir, Am. Inst. on European Unity, Inc. 68- Address: 3839 Livingston St. NW, Washington, D.C. 20015.
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- nog, Pennsylvania, 69- New publ: Co-auth, Afro-American anthropology, Free Press Glencoe, Macmillan, 70. Address: Center for Urban Ethnography, University of Pennsylvania, 4025 Chestnut St, Philadelphia, Pa. 19104.
- SZYLIOWICZ, DR. JOSEPH S. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Graduate School of International Studies, University of Denver, Denver, Colo. 80210.

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- TABB, DR. DAVID, b. Chattanooga, Tenn, Oct. 11, 39; m. 60; c. 2. POLITI-CAL SCIENCE. B.A, Antioch Col, 62; Ph.D.(polit. sci), North Carolina, 69. ASST. PROF, POLIT. SCI, Hawaii, 67-69; WILLIAMS COL, 69. Vis. assoc. prof, California, Berkeley, 70-71. Polit. Sci. Asn. Political orientation of the poor; policy analysis. Address: Dept. of Political Science, University of California, Berkeley, Calif. 94720.
- TABBARAH, DR. RIAD B, b. Baghdad, Iraq, July 21, 33; m. 65; c. 1. SOCIAL & ECONOMIC DEVELOPMENT. B.A, American Univ. Beirut, 56; M.A, Northwestern, 58; Ph.D. (econ), Vanderbilt, 65. Chief res. unit, State of Tenn, 60-62; demographer, UN, 62-64, SOC. AFFAIRS OFFICER, 65- Consult, U.S. Labor Dept, 61-62; Tenn, Planning Off, 65- Econ. Asn; Pop. Asn. Am; Int. Union Sci. Study Pop. Population theory and policy; social and economic planning. Publ. Demographic techniques for manpower planning in manall areas, Tenn. State Planning Off, 66; auth, Birth control and population policy, Pop. Studies, 64. Address: United Nations, Room 2731, New York, N.Y. 10017.
- TABER, PROF. JULIAN INGERSOLL. Experimental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Psychology, California State College, California, Pa. 15409.
- TABER, DR. WILLIAM R(OBERT), b. Utica, N.Y, Sept. 3, 32; m. 56. SOCIOL-OGY. A.B, Columbia, 54, M.A, 60, Ph.D. (sociol), 69. Lectr. sociol, Columbia Col., Columbia, 60-61, instr, 61-64; lectr. anthrop. & sociol, Queens Col. (N.Y), 64-67; instr. SOCIOL, JOHN JAY COL. CITY UNIV. NEW YORK, 67-70, ASST. PROF, 70- U.S.A, 56-58. Assoc. mem, Sociol. Asn. Empirical and theoretical studies of sociological, attitudinal and organizational preconditions for effective normative authority in relationships between college faculty and students; normative compliance theory and complex organizations. Publ: Ed, Man in contemporary society, Columbia Univ, 62; co-auth, Scope, pervasiveness and tension management in complex organizations, Social Res, summer 63. Address: Dept. of Sociology, John Jay College of Criminal Justice, City University of New York, New York, N.Y., 10010.
- TABOR, DR. ANTHONY B(ENJAMIN), b. Chicago, III, Dec. 6, 20; m. 56; c. 4. CLINICAL PSYCHOLOGY, COUNSELING. B.S. Loyola (III), 49, M.A, 52, Ph.D. (clin, psychol), 59. Lectr. psychol, Loyola (III), 49-57; spyr. qualres, J. Walter Thompson, 57-60; mgt. psychologist, Rohrer, Hibler & Replogle, 60-63; CLIN. PSYCHOLOGIST, CENT. MINN. MENT. HEALTH CENTER, 63- U.S.A.A.F, 42-45, T/Sgt. Psychol. Asn. Process analysis of Rorschach interpretation, behavior modification. Address: Central Minnesota Mental Health Center, 1321 13th St. N, St. Cloud, Minn. 56301.
- TACHINO, DR. TAD(AMI), b. Bountiful, Utah, Feb. 8, 28; m. 52; c. 1. ECO-NOMICS. B.S, American Univ, 52, M.A, 54, Ph.D. (econ), 60; Harvard, 53. ECONOMIST, U.S. Dept. Commerce, 62-67; OFF. TAX ANAL. IN OFF. SECY, U.S. DEPT. TREAS, 67- Mil. Intel. Res, U.S.A, 48-53, Lt. Econ. Asn. Industrial growth; fiscal policies affecting industries and economy. Address: 616 S. Seventh St, Arlington, Va. 22204.
- TADLOCK, MAX REID. Communications. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Pres, Tadlock Assocs, 68- Address: 660 S. Springer Rd, Los Altos, Calif. 94022.
- TAEUBER, DR. ALMA F, b. Seattle, Wash, Sept. 19, 33; m. 60; c. 2. SO-CIOLOGY. B.A, Washington State, 54; M.A, Chicago, 60, Ph.D. (sociol), 62. Res. assoc, pop. res. center, Chicago, 64; proj. assoc, dept. sociol, Wis-CONSIN, MADISON, 64-66; RES. ASSOC, INST. RSS. ON POVERTY, 66-Sociol. Asn; Pop. Asn. Am. Residential and occupational segregation of Negroes. Publ: Co-auth, Negroes in cities, Aldine, 65; Changing character of negro migration, Am. J. Sociol, 65; auth, Recent immigration and studies of ethnic assimilation, Demography, 67. Address: Dept. of Sociology, University of Wisconsin, Madison, Wis. 53706.
- TAGATZ, DR. GLENN E(DWIN). Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 68-, Marquette University, 502 N. 15th 8t, Milwawkee, Wis. 55233.
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making, (in press), Wiley; auth, Effects of parole agent judgments, Psychiatry, 5/69. Address: School of Criminology, University of California, Berkeley, Calif. 94702.

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TAMM, FELIKS, b. Luganuse, Estonia, Mar. 4, 19; U.S. citizen; m. 59; c. 1. ECONOMICS. B.A, Franklurt, 49; M.A, Nebraska, Lincoln, 53; Columbia, 55-59. Statistician, BUR. CENSUS, U.S. DEPT. COMMERCE, 60-67, EXEC. ED, Bus. Cycle Develops, 67-68, BUS, CONDITIONS DIGEST & DEFENSE INDICATORS, 68— Econ. Asn; Statist. Asn. Business cycle research and time series analysis. Address: Bureau of the Census, U.S. Dept. of Commerce, Washington, D.C. 20233.

TAN, DR. FRITS JOHAN EDMUND, b. Djakarta, Indonesia, June 26, 30; m. 64; c. 2. ECONOMICS, ECONOMIC HISTORY. B. A, Indonesia, 53, M. A, 56; Ph.D. [econ], Syracuse, 67. Lectr. ECON, Indonesia, 56-57, sr. lectr, 60-64; asst. prof, NORTHLAND COL, 67-70, ASSOC. PROF, 70- Econ. Asn; Asn. Comp. Econ. Economic theory; economic development of Southeast Asia; comparative economic systems; history of economic thought and economic history especially Southeast Asia; Publ. Aspects of an Indonesian economic historiography, In: An introduction to Indonesian historiography, Cornell Univ, 65- Address: Dept. of Economics, Northland College, 1411 Ellis Ave, Ashland, Wis. 54806.

TAN, DR. WAI-YUAN, b. China, Aug. 14, 34; m. 64; c. 1. STATISTICS, BI-OLOGY. B.A, Taiwan Prov. Col. Agr, 55; M.S. Nat. Taiwan Univ, 59; M.S. (math) & M.S.(statist), Wisconsin, 63, Ph.D.(statist), 64. Asst. res. fel. biostatist, Inst. Bot, Acad. Sinica, Taiwan, 59-61, assoc. res. fel, 64-67, res. fel, 67-68; assoc. prof. statist, Nat. Taiwan Univ, 65-67; biostatist, Blol. Res. Center, Taiwan, 65-67, prof. 67-68; ASST. PROF. STATIST, WIS-

CONSIN, MADISON, 68- Vis. assoc. prof, Tsing Hua Univ, Taiwan, 65-67: statist. adv, Joint Inst. Indust. Res, Taiwan, 65-67. Statist. Asn; Biomet. Soc; Inst. Math. Statist. Genetics. Publ: On the lower bounds for the variances of estimators in the sampling theory framework, Math. Res. Center, Taiwan, 67; co-auth, Bayesian analysis of random effect model, I, 65 & II, 66, Biometrika. Address: Dept. of Statistics, University of Wisconsin, 1210 W. Dayton St, Madison, Wis. 53706.

TANEJA, DR. V(IDYA) S(AGAR). Statistics, Mathematics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 70-, Dept. of Mathematics, Western Illinois University, Macomb, Ill. 61455.

TANENHAUS, PROF. JOSEPH. Political Science. See L.-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Chmn, 69-, Dept. of Political Science, State University of New York at Stony Brook, Stony Brook, N.Y.

TANG, PROF. ANTHONY M(ATTHEW). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 6728 Currywood Dr, Nashville, Tenn. 37205.

TANGRI, DR. SHANTI SWAROOP. Economics. See L-Z Vol., 11th ed., Soc. & Behav. Vols. New position & address: Prof. & chmn, 70-, Dept. of Economics, Livingston College, Rutgers University, New Brunswick, N.J. 08903.

TANNER, PROF. CLARA LEE. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 68-, Dept. of Anthropology, University of Artizona, Tucson, Artiz. 85721.

TANNER, DR. JOHN ERNEST, b. Mission City, B.C, Oct. 15, 42; m. 65. ECO-NOMICS. A.B, California, Santa Barbara, 64; univ. fel, Brown, 65-66, Nat. Defense Ed. Act fel, 66-68, Ph.D. (econ), 68. ASST PROF. ECON, WEST-ERN ONTARIO, 68- Econ. res. consult, Dom. Bur. Statist, 69-70. Econ. Asn; Finance Asn. Monetary theory; monetary policy; public finance. Public Capital flows and American business activity, J. Polit. Econ, 1/68; Monetary policy, Bus. Econ. 5/69; Lags in monetary policy, Am. Econ. Rev. 12/69, Address: Dept. of Economics, University of Western Ontario, London, Ont, Can.

TANNER, DR. TRIEVE A, JR, b. Altadena, Calif, June 22, 29; m. 52; c. 3. PSYCHOLOGY. B.A, California, Los Angeles, 55, Ph.D. (psychol), 62. RES. PSYCHOLOGIST, NASA AMES RES. CENTER, 62- U.S.A, 50-52, ggt. AAAS; Psychol. Asn. Publ: Co-auth, Intermodality judgments of signal duration, Psychonomic Sci, 66, Signal recognition as influenced by presentation schedules, Perception & Psychophysics, 67 & Signal recognition as influenced by information feedback, J. Math. Psychol, 70. Address: NASA Ames Research Center, Moffett Fleid, Calif. 94035.

TANZER, DR. MICHAEL DAVID, b. New York, N.Y, July 27, 35; m. 58; c. 2. ECONOMICS, POLITICAL ECONOMY. A.B, Woodrow Wilson fel. & Soc. Sci. Res. Coun. fel, Harvard, 57, A.M, 60, Ph.D. (econ), 62. Develop. economist, Esso Standard East, Inc, 62-64; sr. assoc, Joel Dean Assocs, Inc, 64-68; PRES, TANZER ECON. ASSOCS, 69- Econ. Asn. Economic and natural resource development; political economy of current United States social problems; international finance; United States foreign economic relations. Publ: The political economy of international oil and the underdeveloped countries, Beacon, 69; Arena of gold: Europe defies the dollar, 9/68 & Depression warning: out on the credit limb, 6/69, The Nation. Address: 302 W. 86th St, New York, N.Y. 10024.

TAPP, DR. JESSE W(ASHINGTON), JR. Community Medicine. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

TAPP, DR. JUNE LOUIN. Social Psychology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. prof. lectr, Chicago, 67-; prog. dir. & res. soc. psychologist, Am. Bar Found, 67- Address: 3630 Stony Island, Chicago, III. 60637.

TAPPEN, PROF. N(EIL) C(AMPBELL). Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Earnest A. Hooton prof. anthrop, 89-, Dept. of Anthropology, University of Wisconsin, Milwawkee, Wiss. 53201.

TARPLEY, DR. FRED A, JR, b. Sept. 13, 36; U.S. citizen; m. 60. ECONOMICS. B.B.A, Baylor, 58; South. Fel. Fund award, Tulane, 58-61, Pub. Awards grant, 61-62, Ph.D. (econ), 67. Assty prof. ECON, GA. INST. TECH, 62-67, ASSOC. PROF, 67- Econ. Asn, Regional Sci. Asn. Urban transportation; government regulatino to utility industries; antitrust economics; regional and urban economics. Publ: Co-auth, The timing dimension of urban transport decisions, Transportation Res. Forum, 68; auth. Technology, labor markets and location, Southeast. Regional Sci. Papers, 68. Address: 2741 Dover Rd. N.W, Atlanta, Ga. 30317.

TARPY, DR. ROGER M, b. Dayton, Ohio, Nov. 18, 41; m. 67; c. 1. EXPERIMENTAL PSYCHOLOGY. A.B, Amherst Col, 63; univ. fel, Col. William & Mary, 64-65, M.A, 65; M.A, Princeton, 66, Nat. Insts. Health fel, 66-67, Ph.D. (psychol), 67. Intern PSYCHOL, East. State Hosp, 63-64; res. asst, Princeton, 65-66; ASST. PROF, WILLIAMS COL, 67 - Chief investr, Nat. Insts. Health grant, 68-69. Consult, Gen. Elec. Co, 68. Psychol. Asn. Animal learning and motivation; fear conditioning; reinforcement measurement; retention. Publ: Reinforcement difference limen (RDL) for delay in shock escape, J. Exp. Psychol, 1/69, Motivation and short-term retention: evidence for covert rehearsal, Am. J. Psychol, 3/69 & Stimulus facilitation of declayed-reward learning in the rat, J. Comp. & Physiol. Psychol, 4/70. Address: Dept. of Psychology, Williams College, Williamstown, Mass. 01267.

TARTER, DR. DONALD EDWARD, b. Murfreesboro, Tenn, Apr. 13, 38; m. 58; c. 1. SOCIOLOGY. B.S, Middle Tenn. State, 60; Ph.D. (sociol), Tennessee, 66. Teaching asst. SOCIOL, Tennessee, 62-64; instr. Middle Tenn. State, 64-66; ASST. PROF, ALABAMA, HUNTSVILLE, 66- U.S.A, 61, Res, 1st Lt. Sociol. Asn, Acad. Polit. & Soc. Sci. Attitude-action discrepancy; applying principles of operant psychology to sociology. Publ: Toward prediction of attitude-action discrepancy, Soc. Forces, 6/69; Attitude-with mental myth, Am. Sociologist, 8/70. Address: 2018 Wooddale Dr, Huntaville, Ala. 35801.

- TASHJEAN, DR. JOHN E, b. Los Angeles, Calif, June 15, 31; m. 62 POLITICAL SCIENCE, INTERNATIONAL RELATIONS. B.A, Col. St. Thomas, 51; F. Kosmerl Fel, Chicago, 51-52; univ. 161, Georgelown, 57-60, M.A, 58, Ph.D. (polit theory), 62. Screener, microfilming proj, Am. Hist. Asn, 60; assoc. researcher, Mach. Transl, Inc, 60-61; assoc. scientist, Wash. Res. Off, Tech. Opers, Inc, 61-62; staff mem, Hudson Inst, 62-63; res. analyst, econ. & polit. Sci. Defense Anal, 63-65; ASST. PROF. POLIT. SCI, CANISIUS COL, 66-, faculty felt, summer 70. U.S.A.F, 52-55. Polit. Sci. Asn. Political Augustinanism; political theory since the French Revolution; social heterogeneity and stratification; military sociology; national character analysis; history of social science. Publ: Where China meets Russia, Cent. Asian Collectanea, 59; A military aspect of the circulation of elites, 67 & Interest in Pareto's sociology, 70, Cahiers Vilfredo Pareto. Address: 192 Linden Ave, Buffalo, N.Y. 14216.
- TATA, DR. ROBERT J(OSEPH), b. New Britain, Conn, Mar. 3, 35; m. 58; c. 3. GEOGRAPHY. A. B. Syracuse, 57, M.A., 61, Watson fel, 61-62, Ph.D. (geog), 68. Asst. prof. GEOG, FLORIDA ATLANTIC, 64-69, ASSOC. PROF. 69-Permanent consult faculty, U.S. Army Command & Gen. Staff Col., 67-U.S.A.R, 58-60, Capt. Asn. Am. Geog; Am. Geog. Soc; Regional Sci. Asn. Development of underdeveloped countries, especially Latin America; economic geography; geographic methodology. Publ: A space potential interpretation of transportation efficiency in northeast Mexico, Proc. Int. Geog. Cong., 68; Review of new geographic methods and techniques, U.S. Army Corps Engrs, 69; Geographic thought progress through evolution, not reaction, Southeast. Geogra 70. Address: Dept. of Geography, Florida Atlantic University, Boca Raton, Fla. 33432.
- TATE, DR. JAMES OLIVER. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Psychologist, 69-, University of Oklahoma, 1700 Asp Ave, Norman, Okla. 73069.
- TATKON, M(ARVIN) DANIEL. Economic Geography, Urban Planning. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: V.pres. res, 68-, Equity Research Associates, Inc, 55 Broad St, New York, N.Y. 10004.
- TATSIOS, DR. THEODORE GEORGE. Modern History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- TAUB, DR. RICHARD P. b. New York, N. Y. App. 16, 37; m. 61; c. l. SOCIOL-OGY, B.A, Michigan, 60; M.A, Harvard, 61, Ph.D. (sociol), 66. ASST. PROF. sociol, Brown, 65-69; SOCIOL. & SOC. SCI, CHICAGO, 69- AAAS; Sociol. Asn; Asn. Asian Studies. Indian society; bureaucracy; political sociology. Publ: Bureaucrats under stress: administrators and administration in an Indian state, Univ. California, 69. Address: Dept. of Sociology & Social Science, University of Chicago, 5811 Ellis Ave, Chicago, III. 60637.
- TAULBEE, DR. EARL S(ELDON). Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Chief psychol. serv, 68-, Veterans Administration Center, Bay Pines, Fla. 33504.
- TAUS, PROF. ESTHER R(OGOFF). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. econ. & chmn. dept, Lehman Col, 69- Address: 1882 Grand Concourse, New York, N.Y. 10457.
- TAVUCHIS, DR. NICHOLAS, b. New York, N.Y, Nov. 2, 34; m. 60; c. 2. SO-CIOLOGY, B.A, Columbia, 55, M.A, 61, Nat. Inst. Ment. Health fel, 63-66, Ph.D. (Sociol), 68. ASST. PROF. SOCIOL, CORNELL, 66- U.S.A, 56-58. Sociol. Asn; Anthrop. Asn; Soc. Study Soc. Probs. Historical sociology; kinship and the family; social stratification; ethnic groups. Publ: Pastors and immigrants, Martimus Nijhoff, 63; The analysis of family roles: a methodological critique, in: The family and its future, Williams & Wilkins, 70. Address: Dept. of Sociology, McGraw Hall, Cornell University, Ithaca, N.Y. 14850.
- TAYLOR, DR. CHARLES LEWIS. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 70-, Dept. of Political Science, Virginia Polytechnic Institute, Blacksburg, Va. 24060.
- TAYLOR, DR. CHRISTOPER J, b. Portsmouth, Va, Dec. 20, 42; m. 68.

 PSYCHOLOGY. A.B., Wittenberg, 64; M.S., Ohio, 66, Nat. Inst. Ment. Health
 fel, 67-68, Ph.D. (psychol), 68. ASST. PROF. PSYCHOL, WEST. WASH.
 STATE COL, 68. Psychol. Asn; Psychonomic Soc. Hunger; non-caloric
 foods; incentive variables; cooperation; early environmental experience;
 body weight regulation. Publ: Co-auth, Effects of nonuntritive bulk on eating
 behavior, 10/67 & auth, Effects of nonnutritive bulk as a reinforcer, 10/69,
 J. Comp. & Physiol. Psychol; co-auth, Report of a nonnutritive food substance, palatable to rats, Behav. Res. Methods & Instrumentation, 9/68. Address: Dept. of Psychology, Western Washington State College, Bellingham,
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- TAYLOR, PROF. COUNCILL S(AMUEL). Social Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Anthropology, State University of New York at Old Westbury, Oyster Bay, N.Y. 11711.
- TAYLOR, DR. DALMAS A. Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Chmn. dept. psychol, Fed. City Col, 69-Address: 4110 Whispering Lane, Annandale, Va. 22003.
- TAYLOR, DEAN DONALD W(AYNE). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Eugene Higgins prof. psychol. & dean, 69-, Graduate School, Yale University, 111 Hall of Graduate Studies, New Haven, Conn. 05520.
- TAYLOR, DR. FRED M. Pediatrics, Child Behavior. See Suppl. V & VI to 11th ed, Phys. & Biol. Vols.
- TAYLOR, DR. HASSELTINE BYRD. Social Work. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 6000 Redwood Rd, Napa, Calif. 94558.

- TAYLOR, PROF. IRVING A. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 3014 Lawndale Dr, Greensboro, N.C. 27408.
- TAYLOR, DR. JAMES ADDISON, b. Sidney, Ohio, Nov. 24, 32; m. 60; c. 2. GEOGRAPHY. B.A, Kent State, 54; M.S., Illinois, 56, Ph.D.(geog), 62. Instr. geog, Bowling Green State, 60-63; asst. prof. geog, & head dept. geog. & geol, BRADLEY, 63-66, ASSOC. PROF. GEOG. & HEAD DEPT. GEOG. & EARTH SCI, 66-, ASSOC. DEAN, COL. LIB. ARTS & SCI, 69-, asst. dean, 66-69. Asn. Am. Geog. Physical and economic geography, especially Anglo-America; industrial development and location; university academic administration. Address: Dept. of Geography and Earth Sciences, Bradley University, Peoria, Ill. 61606.
- TAYLOR, DR. JAMES B(ENTLEY). Social & Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. res. dept, 69-, Menninger Foundation, Topeka, Kans. 66601.
- TAYLOR, DR. JAMES RONALD, b. Springfield, Ill, May 11, 38; m. 63; c. 1. BUSINESS ADMINISTRATION. B.B.A., Iowa, 60; M.S., Minnesota, 64, Am. Mkt. Asn. fel, 65, Kaiser Alumtum & Chem. Corp. fel, 66, Ph.D. (bus), 67. Consumer analyst, Gen. Mills, Inc, 61-64; res. asst. consumer behav, Minnesota, 64-65, teaching assoc. mkt, 65-67; ASST. PROF. BUS. ADMIN, MICHIGAN, 67. Consult, Mkt. Sci. Inst, 69- Mkt. Asn. Marketing research; buyer behavior; marketing management and multivariate techniques. Publ: Co-auth, The consumer and his alternatives: an experimental approach, 66 & auth, Reevaluation of preference distribution analysis, 68, J. Mkt. Res; Unfolding theory applied to market segmentation, J. Advertising Res, 69. Address: 608 Business Administration Bldg, University of Michigan, Ann Arbor, Mich. 48104.
- TAYLOR, DR. JAMES SCOTT. Romance & Germanic Languages. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.
- TAYLOR, PROF. JAMES W(OODALL). Geography. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. geog, 69-, Dept. of Geography & Geology, Western Kentucky University, Bowling Green, Ky. 42101
- TAYLOR, DR. KENNETH L(APHAM). History of Science. See 5th ed, Dir. Am. Scholars, Vol. I. Hist.
- TAYLOR, DR. LESTER DEAN. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. 69-, Dept. of Economics, University of Michigan, Ann Arbor, Mich. 4810.
- TAYLOR, PROF. M(ALCOLM) G(ORDON). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, York University, Downsview, Toronto, Ont, Can.
- TAYLOR, DR. MORRIS H. Agricultural Economics, Marketing. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also prof, Utah State. Address: 131 E. Second St, Hyde Park, Utah 84318.
- TAYLOR, PROF. NORMAN EUGENE. Economics, Business Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: V.pres. res, 68-, University of Montana, Missoula, Mont. 59801.
- TAYLOR, PROF. NORMAN W(ILLIAM). Economics. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position: Prof. 69-, Dept. of Economics, Franklin & Marshall College, Lancaster, Pa. 17604.
- & Marshall College, Lancaster, Pa. 17604.

 TAYLOR, DR. ORLANDO LEROY, b. Chattanooga, Tenn, Aug. 9, 32; m. 57; c. 2. SPEECH PATHOLOGY. B.S, Hampton Inst, 57; Ind. Dept. Health scholar, Indiana Univ, 58, Ind. Div. Ment. Health scholar, 58-59, U.S. Off. Voc. Rehab. traines, 59-60, A.M. 60; U.S. Off. Voc. Rehab. traines & John Hay Whitney Found. fel, Michigan, 62-63, Am. Speech & Hearing Asn. fel, 63, U.S. Pub. Health Serv. fel, 63-65, univ. fel, 64-65, Ph.D. Ispseech path), 66. Speech & Hearing clinician, Pt. Wayne State Sch, Ind., 77-56, dir. speech Michigan, 62, instr., speech, 65: asst., prof. Indiana, Bloomington, 65-69; ASSOC, DIR. LANG. IN ED. PROG. CENTER FOR APPL. LING, D.C, 69-Vis. assoc. prof. Howard Univ. & Univ. Pittsburgh, 69- Consult, Community Coord. Center Rehab. & Health Serv, Ft. Wayne, 60-62; Ind. Civil Rights Cmn, 68-69; Speec. Serv. for Disadvantaged & Bur. of Ed. Personnel Develop, U.S. Off. Ed., 69:; subcmt. on compensatory ed, Soc. Sci. Res. Coun, 69-; model pre-sch. prog. for socially disadvantaged def children, Mt. Carmel Guild, 69- Speech & Hearing Asn. (cert. clin. competence speech path), Acad. Aphasia; Ling. Soc. Am. Psychol. Asn; Nat. Asn. Afro-Am. Ed. Sociolinguistics; aphasia; language acquisition; psycholinguistics; five interrelated studies to increase the effectiveness of English language instruction in schools. Publ. Co-auth, A community oriented teaching and rehabilitation program for aphasics, Ind. Speech & Hearing Asn., 69; Neuropsycholinguistics and language reacquisition, in: Language retraining in adult, Otho State Found, Columbus, 69; auth, Aphasia research at Indiana University, Lang. Sci., 5/69. Address. 1717 Massachusetts Ave. N.W. Washington, D.C. 20036.
- TAYLOR, DR. PHILLIP HARRY, JR, b. Lufkin, Tex, Sept. 5 35; m. 57; c. 1. MANAGEMEN'T SCIENCE, ECONOMICS. B.B. A, Lamar State Col, 57; M.B.A, Arkanasa, 59, Ph.D. (bus. admin), 66. Instr. econ, Lamar State Col, 58-61, asst. prof., 61-66; gen. bus, ARKANSAS, FAYETTEVILLE, 66-67, ASSOC. PROF. QUANT. MGT. SCI. & GEN. BUS, 67, ASSOC. DIR. BUR. BUS. & ECON. RES. & ED. ARK. BUS. & ECON. REV, 69- Lectr, Centinary Col. Exec. Develop. Prog., 69; participant, workshop on use of computer, Michigan, 69. Consult, U.S. Post Off. Dept., 68; West. Ark. Econ. Develop. Dist, 68-69. Mem, bd. visitors, Postal Serv. Inst., 68; prin, Econ. & Indust. Res, Inc, 69- Statist. Asn; Inst. Decision Sci. Development of statistical data for use in the evaluation of economic activities and the simulation of decision processes. Publ: Co-auth, A handbook for cost-benefit analysis, U.S. Post Off. Dept., 68 & Elementary statistics, McCraw. (in press); Motives for migration, Ark. Bus. & Econ. Rev, 68. Address: Bureau of Bustives for migration, Ark. Bus. & Econ. Rev, 68. Address: Bureau of Bustives

- ness and Economic Research, Room 12, College of Business Administration, University of Arkansas, Fayetteville, Ark. 72701.
- TAYLOR, PROF. ROBERT. Journalism. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New Information: Also V.pres, 68-, University of Wisconsin, Room 1752 Van Hise Hall, Madison, Wis. 53706.
- TAYLOR, DR. RONALD NIXON, b. Fulton, Mo, Sept. 5, 38; m. 61; c. 2. INDUSTRIAL PSYCHOLOGY. B.A, Westminster Col, 60; M.A, Nebraska,
 Omaha, 64; Ph.D. (psychol), Minnesota, 69. Placement specialist, North
 Natural Gas Co, 63-64; mgr. personnel res, Deere & Co, 66-68; RES. PSYCHOLOGIST, NORTH STAR RES. & DEVELOP. NST, 68- U.S.A, 61-63, lst
 Lt. Psychol. Asn. Design and conduct of governmental and industrial psychological research in areas of managerial effectiveness, manpower utilization, psychological test development and related organizational studies. Address: North Star Research & Development Institute, 3100 38th Ave. S, Minneapolis, Minn. 55406.
- TAYLOR, DR. STUART P(RESTON), b. Bronx, N.Y. May 29, 39; m. 61; c. 2. PSYCHOLOGY. B.A, City Col. New York, 61; M.S, Massachusetts, 63, Ph.D (psychol), 65. Res. assoc. PSYCHOL, Massachusetts, 64-66; ASST. PROF, KENT STATE, 66- Psychol. Asn. Antecedents of physical aggression; psychophysiological concomitants of behavior. Address: Dept. of Psychology, Kent State University, Kent, Ohio 4240.
- TAYLOR, PROF. WALTER W(ILLARD). Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Box 5334, Santa Fe, N.Mex. 87501.
- TAYLOR, DR. WILLIAM RICHARD, b. Joliet, Ill, Sept. 22, 33; m. 57; c. 2. SOCIOLOGY. B.A, Asbury Col., 57; M.S. Purdue, 61, Ph.D. (sociol), 66. Asst. prof. sociol, indiana, Kokomo, 61-67; assoc. prof. sociol. & chmn. dept. sociol. & anthrop, SLIPPERY ROCK STATE COL., 67-70, PROF. SOCIOL. & ASSOC. DEAN ARTS & SCI, 70- U.S.A, 54-56. Sociol. Asn. Sociological theory; sociology of science; industrial sociology. Address: Dept. of Sociology & Anthropology, Slippery Rock State College, Slippery Rock, Pa. 16057.
- TAYLOR, PROF. WILLIAM R(OBERT). History. See 5th ed, Dir. Am. Scholars, Vol. I. Hist.
- TEAGARDEN, DR. ERNEST MERLE. Modern & Military History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- TEBOR, PROF. IRVING B. Social Work. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also acting dean, 69-, School of Social Work, San Diego State College, San Diego, Calif. 92115.
- TEDESCHI, PROF. JAMES T(HEODORE). Experimental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, soc. psychol, 69-, United States International University, 8655 E. Pomerado Rd, San Diego, Calif. 92124.
- TEDFORD, DR. WILLIAM HOWARD, JR, b. Charlotte, N.C. May 26, 36; m. 60. EXPERIMENTAL PSYCHOLOGY. B.S. Davidson Col. 58; M.S. Nevada, 63; M.A. Emory, 66, Ph.D. (osychol), 67. Instr. physics, Southern Methodist, 63-64; asst. prof. PSYCHOL, Oberlin Col., 67-69; SOUTHERN METHODIST, 69-70, ASSOC. PROF, 70- Ord.C, 58-61, 1st Lt. Psychol. Asn. Asn. Physics Teachers; Arbit. Asn. Psychological learning theory; psychological acoustics; visual illusions; short-term memory; transposition phenomena. Publ: Co-auth, Tactual and visual illusions in the T-shaped figure, J. Exp. Psychol, 81: 199-200 & Comparison of physics to psychology majors at a small liberal-arts college, Am. J. Physics, 38: 269-270; auth, Effect of delayed punishment upon choice behavior in the white rat, J. Comp. & Physiol. Psychol, 69: 673-676. Address: Dept. of Psychology, Southern Methodist University, Dallas, Tex. 75222.
- TEEL, PROF. KENNETH S(TREIB). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, manpower mgt, sch. bus. admin, Calif. State Col, Long Beach, 69- Address: 6511 Driscoll St, Long Beach, Calif. 90815.
- TEELE, DR. JAMES EDWARD. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. sociol, 69-, Dept. of Maternal & Child Health, School of Public Health, Harvard University, Boston, Mass. 02115.
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- TEIGLAND, DR. JOHN J(AY). Psychology, Education. See L-Z Vol, 11th ed, Soc. & Behay. Vols. New position: Assoc. prof, 69-, Dept. of Education, North Dakots State University, Fargo, N.Dak. 58102.
- TELLER, DR. DAVIDA Y(OUNG). Vision, Psychology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- TELLER, PROF. JAMES D(AVID). Educational Psychology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Education, University of Dallas, Irving, Tex. 75060.
- TELLEW, PROF. FUAD H(ANNA), b. Baghdad, Iraq, Jan. 23, 27; U.S. citizen; m. 53; c. 2. ECONOMICS, ECONOMIC DEVELOPMENT. B.S, Col. Commerce & Econ, Baghdad, 59; M.A, Southern California, 54; Ph.D.(econ), 59. Clerk estimating sect, Eng. Dept, Iraqi State Railways, 44-49, sr. clerk acct.

- sect, 50-51; asst. ECON, Sonthern California, 57-58, lectr, 59-60; asst. prof, CALIF, STATE POLYTECH. COL, SAN LUIS OBISPO, 60-64, assoc. prof, 65-67, PROF, 68-, ACTING HEAD DEPT, 70- Vis. res. fel, California, Berkeley, 67-68. Team mem, Calif. State Cols. Int. Study Proj. to Pakistan, US. Dept. Health, Ed. & Welfare, summer 65. Econ. Asn. Middle East and North African economic development; joint foreign-local enterprise as a possible aid for economic development of the less developed countries. Popular government, political stability and economic development in the less developed countries. Address: Dept. of Economics, School of Business & Social Sciences, California State Polytechnic College, San Luis Obispo, Calif. 93401.
- TELTSCHER, DR. HERRY O. b. Vienna, Austria, Nov. 11, 10; U.S. citizen: m. 62; c. 3. CLINICAL PSYCHOLOGY, M.A., New Sch. Soc. Res, 54; Ph.D. (psychol), Yeshiva, 64. Consult, 61f. Strategic Serv, 40-41; res, asst, projective techniques, Essex County Overbrook Hosp, Cedar Grove, N.J. 49-54; lectr. psychiat, Wayne State, 55; res. asst. neuropsychiat, Lincoln Hosp, New York, 57-59; DIR. SUPV, MORTON PRINCE CLIN. HYPNOTHERAPY, 64. Mil. Intel, U.S.A, 42-45, Sgt. Psychol. Asn; Soci.O. Asn; fel. Soc. Clin. & Exp. Hypnosis. Development of grapho-diagnosis, the evaluation of physical, emotional and mental disturbances from handwriting specimens; research into, and application of hypnotherapy. Publ: Handwriting, a sourcebook of grapho-diagnosis, Hawthorn, 70; co-auth, Neuropsychiatry and grapho-diagnosis in Parkinson research, Acta Psychiat. Neurol, Scandinavia, 61; auth, Grapho-diagnosis, J. Am. Soc. Psychosomatic Dentistry & Med, 66. Address: 165 E. 80th St, New York, N.Y. 10021.
- TEMPLER, DR. DONALD I, b. Chicago, III, Aug. 26, 38. PHYSIOLOGICAL & CLINICAL PSYCHOLOGY. A.B, Ohio, 60; M.A, Bowling Green State, 61; Ph.D. (Psychol), Kentucky, 67. Dir. dept. psychol, West State Hosp, Hopkinsville, Ky, 65-67; asst. prof. psychol, Western Kentucky, 67-68; FEL. NEU-ROPSYCHOL, WASHINGTON (ST. LOUIS) & ASFFERSON BARRACKS VET. ADMIN. HOSP, 68- Consult, Paducah Regional Ment. Health Center, 65-67; South. Ky, Regional Ment. Health Center, 67-68, Mammoth Cave Regional Ment. Health Center, 67-68, Psychophysiol. Res. Intra-crania electrical stimulation; memory; death anxiety; academic achievement. Address: Dept. of Psychology, Washington University, St. Louis, Mo. 63130.
- TEMPLIN, PROF. MILDRED C, b. Milwaukee, Wis, Oct. 30, 13. CHILD PSY-CHOLOGY, SPEECH-PATHOLOGY. B.A., Wisconsin, 36; M.A., Minnesota, 36, Ph.D. (child psychol), 47; Columbia, 39-40. Asst. speech, Wisconsin, 36; speech clin, Purdue, 36-37, instr. 37-39; speech correction teacher; pub. sch, Wis, 40-43; asst. CHILD PSYCHOL, MINNESOTA, MINNEAPOLIS, 43-44, instr., 44-47, asst. prof, 47-51, assoc. prof, 51-56, PROF, 58-Consult, U.S. Off. Ed. res. prois, 58-67; mem. speech, lang. & hearing cmt. & consult, Nat. Inst. Neurol. Diseases & Blindness res. prof, 63-70. Speech & Hearing Asn. (v. pres, 55); Soc. Res. Child Develop, (ed, Monogr. Soc. Res. Child Develop, 64-70). Reasoning of deaf children; longitudinal development of articulation and relation to other factors; replication of studies over time. Publ. Certain language skills: their development and interrelationships, 57, Univ. Minn; co-auth, Templin-Darley tests of articulation, Univ. Iowa, 69; auth, Vocabulary problems of the deaf child, Int. Audiol, 5: 349-354. Address: Institute of Child Development, University of Minnesota, Minneapolis, Minn. 55455.
- TERCHEK, DR. RONALD J(OHN). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New publ: Making the test ban treaty, Nijhoff, The Hague, 69. Address: Dept. of Government & Politics, University of Maryland, College Park, Md. 20742.
- TERMAN, DR. MICHAEL, b. New York, N.Y., Nov. 13, 43; m. 66. PSYCHOL-OGY. A.B, Columbia Col, 64; Sc.M, Brown, 66, Ph.D. (psychol), 68. ASST. PROF. PSYCHOL, Brown, 66-69; NORTHEASTERN, 69- U.S. Pub. Health Serv. grants, 68-69. AAAS; Psychonomic Soc; Psychol. Asn. (young psychologist award, 69). Operant conditioning; stimulus control; comparative psychophysics, electrical brain stimulation; learning. Publ: Co-auth, Some temporal properties of intracranial self-stimulation, Physiol. & Behav, 2/70; auth, Discrimination of auditory intensities by rats, J. Exp. Anal. Behav, 3/70; co-auth, Circadian rhythm of brain self-stimulation behavior, Science, 6/70. Address: Dept. of Psychology, Northeastern University, Boston, Mass. 02115.
- TERRY, DR. EDWIN FRANKLIN. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Economics, Fresno State College, Fresno, Calif. 39726.
- TERRY, DR. ROGER LYON, b. Danbury, Conn. Apr. 4, 40; m. 60; c. 1. SO-CIAL PSYCHOLOGY. A.B., Yale, 62; M.S. Auburn, 64; Ph.D.(psychol), Missouri-Columbia, 68. Teaching asst. psychol, Auburn, 64; res. assoc. social psychol, Center Res. in Social Behav, Missouri, 66-68; ASST. PROF. PSY-CHOL, HANOVER COL, 68- Survey research of the teacher role in English speaking countries; cross-cultural research; experimental research on cognitive organization and attitude change. Publ: Co-auth, 8ymposium on teacher role in four English speaking countries: data gathering, Comp. Ed. Rev. 2/70 & Anxiety induced by contact lenses and framed spectacles, J. Am. Optometric Asn, 3/70. Address: Dept. of Psychology, Hanover College, Hanover, Ind. 47243.
- TERRY, PROF. RICHARD A(LLAN). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & head, 60-, Dept. of Psychology, University of Tulsa, 600 S. College, Tulsa, Okla. 74104.
- TESSER, DR. ABRAHAM, b. New York, N.Y, May 24, 41; m. 66; c. 1. SO-CIAL PSYCHOLOGY. B.A, Long Island, 62; M.S, Purdue, 65, Ph.D. (psychol), 67. ASST. PROF. SOC. PSYCHOL, GEORGIA, 67- AAAS; Psychol. Asn. Interpersonal perception and attraction; attitude theory and change. Publ: Co-auth, Psychological testing through looking glass of youth, Am. Psychologis, 68, Some determinants of gratitude, J. Personality & Soc. Psychol, 68 & On reluctance to communicate undesirable information: the mum effect, Sociometry, 70. Address: Dept. of Psychology, University of Georgia, Athens, Ga. 30601.

TEYLER, DR. TIMOTHY J(AMES). Physiological Psychology. See Suppl. VI to 11th ed. Phys. & Biol. Vols.

THACH, DR. JOHN S., JR. b. San Diego, Calif, Sept. 22, 34; m. 54; c. 3. PSY. CHOLOGY. A. B. George Washington, 57, M. A., 60; Nat. Inst. Ment. Health fell, Maryland, 50-63; Ph.D. Icep., & soc., psychol), 68, Exp. & physiol. uy-chologist, Walter Army Inst. Res, 57-60; teaching asst, Maryland, 61-63; HEAD PSYCHOBIOL. BR, NAVAL AEROSPACE MED. INST. 63. Re. assoc, Human Sci. Res, Inc. Arlington, Va, 62. U.S.N.R., 52-60. AAAS; Psychol. Asn. Circadian periodicity; schedules of reinforcement; effects of isolation; behavioral and biological control systems; psychoendocrinology. Publ: Co.-auth, Quantitative relations between avoidance behavior and pituitary adrenal cortical activity in rhesus monkey, J. Exp. Anal. Behav, 62 & Behavioral responses of unrestrained normal and labyrinthectomized squirrel monkeys to repeated zero-gravity parabolic flights, Aerospace Med, 68; auth, Circadian periodicity and bigeminus patterning of three consummatory behaviors, In: Circadian rhythms in nonhuman primates, Karger, 69. Address: Psychophysiology Dept, Naval Aerospace Medical Institute, Bidg, 625B, Pensacola, Fla. 32512.

THADEN, PROF. J(OHN) F(REDERICK). Sociology. See 11th ed, Soc. & Behav. Vols, deceased 68.

THALBERG, DR. STANTON PHILIP, b. New Haven, Conn., Feb. 29, 32; m. 53; c. 3. EDUCATIONAL PSYCHOLOGY. B.A. lowa, 57, M.A., 59, Ph.D. (ed.) 64. Instr., remedial reading clin, lowa, 57-59, asst. prof. ed. & rhetoric, 61-65; ed. & psychol, Humbolt State Col, 59-61; ed. psychol, Washington (Seat-te), 65-67; dir. regional reading center, Northshore Schs, 67-69; ASSOC. PROF. ED. PSYCHOL, WASHINGTON (SEATTLE), 69- Consult, W. Seattle Community Ment. Health Agency & Highline Community Ment. Health Agency, 69-70. Mem, Wash. State Adv. Cmt. Early Childhood Ed. & State Adv. Cmt. Reading, 69-70. U.S.A.F., 52-57. Psychol. Asn; Ed. Res. Asn. Reading dysfunction; relationship between emotional distress and educational underachievement; community mental health in preventing asocial-antisocial or disruptive behavior. Publ: Co-auth, Comparison of two methods of teaching reading, In: Twelfth yearbook, Nat. Reading Conf. (62; auth, Reading rate and immediate versus delayed recall, J. Ed. Psychol, 12/67 & Psycho-educational therapy with dysfunctioning drs, Wash. State Res. Bull, 4/69. Address: Dept. of Educational Psychology, University of Washington, Seattle, Wash. 98105.

THARP, PROF. ROLAND GEORGE. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychol, Hawaii, 68- Address: 1634 Makkik Japt. 204, Honolulu, Hawaii 96822.

THAYER, PROF. C(LARENCE) R(ICHMOND). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Teacher of psychol, acad. center, Cleveland State, 70- Address: c/o Euclid Senior High School, Cleveland. Ohio 44123.

THAYER, DR. JEROME DEAN, b. Minneapolis, Minn, Nov. 14, 39; m. 62; c. 1. PSYCHOLOGY, EDUCATION. B.S. Union Col., 61; M.A. Nebraska, 64; Ph.D. ded. measurement & resl, Colo. State Col., 68. Teacher, Campion Acad, 62-65; ASST. PROF. ED. & PSYCHOL, UNION COL. (NEBR), 66- Ed. Res. Asn. College students attitudes and values. Publ. Co-auth, American college student values: preliminary reports of a nationwide survey, Colo. J. Ed. Res, Iall 68. Address: Dept. of Education & Psychology, Union College, Lincoln, Nebr. 80562.

THAYER, DR. NATHANIEL B(OWMAN). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Consult, 69-, Cerro Corp, 300 Park Ave, New York, N.Y. 10022.

THEEN, DR. ROLF HEINZ WILHELM, b. Stadthagen, Germany, Feb. 20, 37; U.S. citizen; m. 59. POLITICAL SCIENCE. B.A, Manchester Col, 59; M.A, Indiana, Bloomington, 62; Ph.D. (politic sci), 64. Asst. prof. GOVT, 10WA STATE, 64-68, ASSOC. PROF, 68- Inter-Univ. Cmt. travel grant, 67-68; Am. Philos. Soc. fel, summer 65. Polit. Sci. Asn; Asn. Adv. Slavic Studies; Acad. Polit. & Soc. Sci. Russian political thought, nineteenth century to present. Publ: Ed. & transl, Valentinov, the early years of Lenin, Univ. Michigan, 68; The political thought of P.N. Trachev in the 1860's: from re-lorm to revolution & The Russian Bianquists and the Hague Congress, Can. Slavic Studies, summer 63. Address: Dept. of Political Science, Iowa State University, Ames, Iowa 50010.

THEMO, DR. ELANE MARIE, b. West Newton, Mass, Mar. 21, 38. SOCIOL-OGY. B.A, Mt. Holyoke Col. 60; M.A, North Carolina, 62; Ph.D.(Latin Amarea studies), American Univ, 69. Res. asst, inst. comp. study polit systs, Opers. & Policy Res, Inc, D.C, 63; res. assoc. area studies, spec. opers. res. off, For. Areas Studies Div, 64-66; ASST. PROF. SOCIOL, COL. WILLIAM & MARY, 66- Sociol. Asn. Sociology of developing countries; stratification. Publ: Co-auth. Area handbook for Indonesia, 64, Area handbook for Malaya and Singapore, 65 & Area handbook for the Dominican Republic, 66, Gott. Printing Off. Address: Dept. of Sociology, College of William & Mary, Williamsburg, Va. 23165.

THEODORE, DR. ATHENA (RENTOUMIS). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir. community affairs prog, Simmons Coli, 69- Address: 27 Turning Mill Rd, Lexington, Mass. 02173.

THEODORE, DR. EUSTACE D, b. Marietta, Ohio, Aug. 4, 41; m. 64; c. 1. SO-CIOLOGY. B-A, Yale, 63; M-A, Cornell, 65, Owen D. Young fel, 66-67, Ph.D. (orgn. behav, sociol), 67. ASST. PROF. SOCIOL, HOLLINS COL, 67-CHMN. DEPT, 70-Indust, consult, 65-Problems of organization growth and change; relationship between task experience and individual orientation; individual and organization response to social change. Address: Dept. of Sociology, Hollins College, Va. 24020.

THEODORIDES, DR. ANGELOS. Economics, Statistics. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New position; Econ. adv, Am. Consulate, Pakistan, U.S. Agency Int. Develop, 69- Address: Lahore (ID), Dept. of State, Washington, D.C. 20521.

THIERAUF, DR. ROBERT J, b. Covington, Ky, July 25, 33. OPERATIONS RESEARCH. B.S.B.A, Xavier (Ohio), 58, M.B.A, 60; Ph.D. (mgt), Ohio State, 66. Pub. acct, Lybrand, Ross Bros. & Montgomery, 58-60, mgt, consult, 60-63; ASST. PROF. OPERS. RES. & DATA PROCESSING, XAVIER (OHIO), 65-, CHMN. DEPT. MGT. & INDUST. RELS, 68. U.S.A, 53-55. Inst. Cert. Pub. Acct; Inst. Mgt. Sci; Acad. Mgt; Inst. Decision Sci. Operations research; electronic data processing; management; accounting. Publ: Decision making through operations research, 20 & Business data processing, (in prep), Wiley. Address: Dept. of Management and Industrial Relations, Xavier University, Cincinnati, Ohio 45207.

THOENY, MAJ. ALAN ROBERT, U.S.A. F, b. Winona, Minn, Feb. 3, 35; m. 61; c. 3. POLITICAL SCIENCE. B.S, U.S. Naval Acad, 57; M.S, Wisconsin, 63, Ph.D (polit sci), 68. U.S. AIR FORCE, 57-, instr. POLIT. SCI, U.S. AIR FORCE ACAD, 64-66, asst. prof, 66-68, ASSOC. PROF, 68- Polit. Sci. Asn; Int. Studies Asn. International politics, especially impact of the press on foreign policy process; methodology, especially techniques of simulation and content analysis. Publ: International political news: a statement analysis, Rocky Mt. Soc. Sci. J, 10/70. Address: Dept. of Political Science, U.S. Air Force Academy, Colorado Springs, Colo. 80840.

THOM, DR. DERRICK J. b. Wallsend, Eng. Nov. 22, 37: U.S. citizen; m. 62; c. 2. GEOGRAPHY. B. A. Utah. 63, M.A. 65: PhD. (geog.), Mich. State, 70. ASST. PROF. GEOG. UTAH STATE, 60- Asn. Arn. Geog; African Studies Asn; African Studies Asn. U.K. Political geography; population and settlement; Africa. Address: Dept. of Geography, Utah State University, Logan, Utah 84321.

THOMAN, DR. ROY EDWARD, b. Evansville, Ind, Mar. 11, 38; m. 67; c. 1. POLITICAL SCIENCE. B. A. Evansville, 60; scholar. & M.A. Indiana, 64; Ky. Res. Found. fel, Kentucky, 64-65, Haggin fel, 65-66, William Patterson fel, 66-67, univ. fel. & Ph.D. (diplomacy), 67. ASST. PROF. GOVT, WEST TEXAS STATE, 68- Mid. East. Inst; Polit. Sci. Asn. Governments and politics in the Middle East and Africa; Soviet political system; communism and bouth Arabia, unrent Hist, 1/70. Address: Box 726, Dept. of Government, West Texas State University, Canyon, Tex. 79015.

THOMAS, CHARLES LEO, b. St. Louis, Mo, Mar. 9, 40; m. 63; c. 1. EDUCATIONAL PSYCHOLOGY. B.A, Harris Teachers Col, 63; M.A, St. Louis, 66; Stripen fet, Hopkins, 66-68. Teacher elem. sch, Mo, 63-66; proj. prof. Proj. Mission, Baltimore, Md, 66-67; res. asst, Hopkins, 67-68; ed. psychologist, Howard, summer 68; PROJ. DIR. & LECTR, TEACHERS COL, COLUMBIA, 68- Lectr, Towson State Col, 67-68; summers, lectr, Inst. Music, 68, ed. psychol. intern, Am. Asn. Dent. Schs, 68. Ed. Res. Asn, Nat. Coun. Measurement in Ed. Access to higher education for minority group youth; human learning, particularly early learning. Publ: Transition from school to college for disadvantaged youths: review of research on admission credentials and extensiveness of programmatic efforts, In: Review of educational research, AMS Press, 69; & Effectiveness of high school grades for predicting college grades of Negro students: an exploratory study, J. Ed. Measurement, winter 69. Address: Box 102, Teachers College, Columbia University, New York, N.Y. 10027.

THOMAS, DR. CLAUDEWELL S. Psychiatry. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir. ment. health serv. progs. div, 70-, National Institute of Mental Health, 5454 Wisconsin Ave, Chevy Chase, Md. 20015.

THOMAS, DR. DARWIN L, b. Genola, Utah, Dec. 12, 33; m. 59; c. 3. SOCI-OLOGY. B.A, Brigham Young, 62, M.A, 64; Nat. Inst. Ment. Health fel, Minnesota, 65-68, Ph.D. (sociol), 68. Instr. nursery sch. ed, Brigham Young, summer 62, family life ed, 64-65; Clara Elizabeth Fund for Maternal & Child Health, Flint, Mich, 62-63; ASST. PROF. SOCIOL, WASHINGTON STATE, 68- Nat. Sci. Found. res. grant, 69-70. Nat. Coun. Family Rels; Sociol. Asn. Effect of family interaction patterns on the behavioral characteristics of the children; problems of translation in cross-cultural studies of family behavior. Publ: Co-auth, Religiosity in 5-D: a critical note, 12/69 & Secularization: a cross-national study of Catholic male adolescents, 9/70, Soc. Forces. Address: Dept. of Sociology, Washington State University, Pullman, Wash. 99163.

THOMAS, DR. DAVID J, b. Grinnell, Iowa, Dec. 8, 34. POLITICAL SCIENCE. B. A., Oberlin Col., 56; London Sch. Econ., 56-57; fels., Harvard, 57-60 & 61-62, Ph.D. (polit.; sci), 58. ASST. PROP. POLIT, CALIFORNIA, SANTA CRUZ, 66-Nat. Sci. Found. fel, 67-68. Polit. Sci. Asn. Modern political and social though; comparative European politics. Publi: declogy—death or transfiguration, Harvard Rev, summer-lail 56. Address: Dept. of Politics, Stevenson College, University of California, Santa Cruz, Calif. 95000.

THOMAS, DR. GEORGELLE, b. Jacksonville, Fla, July 5, 28. EXPERIMENTAL PSYCHOLOGY. B.A, Queens Col., 49; North Carolina, 49-80; M.S. Georgia, 65; Ph.D. (exp. spychol), 67. Dean residence, Salem Acad, N.C., 53-55; asst. prof. PSYCHOL, GEORGIA SOUTHERN, 67-70, ASSOC. PROF, 70-Vis. asst. prof, Georgia, summer 68. Psychol. Asn. Programmed instruction and other special teaching techniques; human learning; motivation. Publ.: Programmed instruction for teaching anthropology in the fifth grade, J. Exp. Ed, Vol. 36, No. 4. Address: Dept. of Psychology, Georgia Southern College, Statesboro, Ga. 30458.

THOMAS, DR. HOBEN, b. Oakland, Calif, May 3, 36; m. 58; c. 2. CHILD PSY-CHOLOGY. B.A, California, Santa Barbara, 58; M.A, Pepperdine Col, 59; Ph.D. (exp. psychol), Claremont Grad. Sch, 63. ASST. PROF. PSYCHOL, Fresno State Col, 63-66; PA. STATE, 66- Community ment. health consult, Calif, 64-66. Soc. Res. Child Develop; Psychonomic Soc; Psychol. Asn. Perceptual development; exploratory behavior and scaling models; child development; clinical psychology; intellectual development. Address: Dept. of Psychology, Pennsylvania State University, 513 Psychology Bldg, University Park, Pa. 16802.

THOMAS, DR. IAN BRYCE. Electrical Engineering, Psychoacoustics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

THOMAS, DR. JOHN RUSSELL, b. Washington, D.C. June 16, 38; m. 60; c. 3. PSYCHOLOGY. B.A. Maryland, 60, U.S. Pub. Health Serv. fel, 61-63, M.A. 62, Ph.D. (exp. psychol), 65. Res. assoc. psychopharmacol, Maryland, 62-64; psychol, Inst. Behav. Res. 64-67, prin. investr, 67-68; ASST. PROF. PSYCHIAT, CHICAGO, 68- AAAS: Psychol, Asn. Experimental analysis of behavior; behavior theory; psychopharmacology. Publ: Differential effects to two phenothiazines on chain and tandem schedule performance, J. Pharmacol. & Exp. Therapeut, 66; Fixed ratio punishment by time out of concurrent variable-interval behavior, J. Exp. Anal. Behav, 68; Behavioral maintenance by conditioned reinforcement in the signaled absence of primary reinforcement, in: Conditioned reinforcement, Dorsey, 69. Address: Dept. of Psychiatry, University of Chicago, Chicago, Il. 60637.

THOMAS, PROF. MORGAN D. Economic Geography. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also assoc. dean, 69-, Graduate School, University of Washington, Seattle, Wash. 98105.

THOMAS, PROF. RAYMOND D(OTY). Economics, Public Finance. See 11th ed, Soc. & Behav. Vols, deceased 68.

THOMASON, DR. RICHMOND HUNT. Philosophy, Mathematics. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

THOMPSON, ALLEN B(RADFORD). Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Independent consult. actuary, 69- Address: 9 Highwood Way, Larchmont, N.Y. 10538.

THOMPSON, DAVID LEE, b. St. Paul, Minn, Nov. 29, 33; m. 56; c. 4. INDUSTRIAL RELATIONS. B.A, Minnesota, 57. Res. analyst, Minn. State Dept. Employ. Security, 60, super. occup, info. unit, 60-61, leader automation proj, 61-63; employ. serv. adv. Bur. Employ. Security, U.S. Dept. Labor, 63-65, manpower develop, specialist, 65-66, labor economist, 66-67, spec. asst. work experience & training, 67-68, chief prog. design group, Bur. Work Training Progs, 68-69; LaBOR ECONOMIST, NORTH STAR RES. & DE-VELOP. INST, 69- U.S.A, 54-56. Indust. Rels. Res. Asn; Econ. Asn; Personnel & Guid. Asn; Nat. Voc. Guid. Asn; Nat. Employ. Counsr. Asn. Occupational Information, particularly occupational forecasting, training needs and labor market surveys; evaluation design, techniques and instruments; program design and development of project models for employment and training programs. Address: North Star Research & Development Institute, 3100 38th Ave. S, Minneapolis, Minn. 55406.

THOMPSON, DR. DONALD L. Marketing, Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address; V.pres, 69-, Slippery Rock State College, Slippery Rock, Pa. 16057.

THOMPSON, DR. EDWARD A(LBERT), b. Avon, Conn, Mar. 17, 39; m. 63; c. 1. SOCIAL PSYCHOLOGY. B.A, Denison, 61; M.A, Delaware, 63, 68; D. (Bsychol), 66. ASST. PROF. PSYCHOL, U.S. Air Force Acad, 66-68; SOUTH. CONN. STATE COL, 68- Vis. prof. Colorado, 67-68. U.S.A.F, 65-68, Capt. Psychol. Ass. Social psychology; small group research; personality; person perception; self concept; interpersonal attraction. Address: Dept. of Psychology, Southern Connecticut State College, New Haven, Conn. 06515.

THOMPSON, DR. GERALD E(VERETT). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, Dept. of Economics, University of Nebraska, Lincoln, Nebr. 68502.

THOMPSON, PROF. JOHN ELDON, b. Hetland, S.Dak, Nov. 18, 23; m. 49; c. 3. ECONOMICS. B.S, South Dakota, 50; M.S, S.Dak. State Co.J., 53; Ph.D. (agr. econ), Wisconsin, 60. Asst. prof. econ, S.DAK. STATE, 53-59, consult, S.Dak. Cltizens Tax Cmt, State Capital, 59, assoc. prof. ECON, univ, 60, exten. economist, 60-66, PROF. & HEAD DEPT, 67- U.S.A.A.F, 45-46, Agr. Econ. Assp. int. Ash. Agr. Econ. Public finance; public affairs; agricultural policy; economic development; business management; rural-urban balance; environmental control; recreational development. Publ: Some considerations for a South Dakota state income tax, Agr. Exp. 5ta, S.Dak. State Col, 59; Meeting unfilled public service needs in rural areas, J. Farm Econ, 63; An analysis of economic trends in the agricultural sector of the economy, Cmt. Continuing Ed. Town & Country Pastors, 11/64. Address: 1437 Wisconsin St, Brookings, S.Dak. 57006.

THOMPSON, DR. JOHN H. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Res. partner, Rohrer, Hibler & Replogle, 69-Address: 3465 77th Ave. S.E., Mercer Island, Wash. 98040.

THOMPSON, PROF. JOHN THOMAS, b. Memphis, Tenn, Jan. 22, 25; m. 47; c. 2; POLITICAL SCIENCE, LAW. B.S, Miami (Ohio), 48; LL.B, Memphis, 53; M.S, Colorado, 55; Ph.D. (polit. sci), Texas 60; Instr. scov., Tennessee, 53: 56; res. assoc, instr. pol/Tick. DIR. CENTER COMMUNITY SERV, WINDOWN TO A CONTROL OF THE CONTROL OF THE COMMUNITY SERV, NOTH TEXAS STATE, 67. Lawyer, City Attorney's Off, Memphis, 53-56; exec. reservist, Nat. Defense Exec. Prog. 66. USN, 43-46. Polit. Sci. Asn, 50c. Pub. Admin. Publ; Public administration of water resources in Texas, Univ. Texas, 90 & Municipal Infance in Wyoming, Univ. Wyoming, 65; Problems of Texas constitutional revision: review of 1967-68 attempt, In: Governing Texas; documents and readings, 69. Address: 3211 Darby Lane, Denton, Tex. 76201.

THOMPSON, DR. JOSEPH VICTOR, b. Winnipeg, Man, June 9, 25; m. 54; c. 3. SOCIOLOGY. B.A, Manitoba, 50, B.S.W, 53; M.S.W, Washington (Seattle), 57; D.S.W, Southern California, 70. Soc. worker, Winnipeg Juvenile & Family Court, 51-53; Children's Aid Soc. West. Man, 53-55; King County Mouth Serv. Center, 55-55; assts. suptr., Bremerton Child Guid. Center, 36-51; Suptr., 61-63; asst., prof. soc. work, Washington (Seattle), 63-67; ASSOC. PROF. SOCIOL, WASHINGTON STATE, 69- Group worker, Seattle Atlantic St. Center, 55-57. Med. soc. work consult, Edgecliff Tuberc. Santarium, 66-67; soc. work consult, Whitman County Ment. Health Center, 69-; R.C.N, 44-55. Nat. Asn. Soc. Workers; Coun. Soc. Work Ed. Professional practice in social work and its relationship to the practitioner model presented by a

professional school; therapeutic intervention in families with problems of social functioning. Address: Dept. of Sociology, Washington State University, Pullman, Wash. 99163.

THOMPSON, DR. KENNETH H, b. Sidney, Nebr. June 23, 37; m. 62. POLITICAL SCIENCE & SOCIOLOGY. B.A, St. John's Col. (Md), 60; Woodrow Wilson fel, Wisconsin, Madison, 61, M.A, 65, univ. fel. & Villas travel grant, 69, Ph.D. (polit. sci), 67. ASST. PROF. POLIT. SCI, SOUTHERN CALIFORNIA, 67- Ford Found. faculty res. fel, Canyon Crest Res. Inst, 69-70. Mem. cmt. comp. polit. behav. data arch, inter-Univ. Consortium Polit. Res, 69- U.S.A, 61; Nat. Guard, 61-66. Polit. Sci. Asn, Int. Polit. Sci. Asn, Sociol. Asn. Comparative political behavior; social science methodology; determinants of mass political behavior; survey research; public opinion and voting behavior. Publ: A cross-national analysis of social mobility and political orientation, Comp. Polit. Studies, 10/70, Effect parameter analysis of cross-national voting behavior, Sage Prfnl. Papers Comp. Polit, 70 & Upward social mobility and politics: a re-evaluation of the evidence, Am. Sociol. Rev, 70. Address: Canyon Crest Research Institute, P.O. Box 749, Big Bear Lake, Calif. 92315.

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THOMPSON, DR. MARK ELLIOTT, b. Oakland, Calif, June 17, 39; m. 68; c. 1. INDUSTRIAL RELATIONS, ECONOMICS. B.A, Notre Dame, 61; M.S., Cornell, 63, Ph.D. (indust. rels), 66. Asst. prof. indust. rels, sedwaster, 68-69; PROG. ANALYST SOC. INSTS. DEVELOP, INT. LABOUR OFF, 69- U.S.A.R. 66-68, Capt. Indust. Rels. Res. Asn. Comparative labor relations; labor history and relations in Latin America, especially Mexico; collective bargaining and labor dispute settlement in the United States. Publ. Co-auth, Multiplant units: the NLRB's withdrawal of free choice, Indust. Rels. Rev, 4/66; auth, Collective bargaining in the Mexican electrical industry, Brit. J. Indust. Rels, 3/70. Address: Case Postale 500, CH-1211, Geneva, Switz.

THOMPSON, DR. PATRICIA G, b. Athens, Tenn, Jan. 16, 41; m. 62. SOCI-OLOGY, B.S., Fla. State, 61; M.S., Wisconsin, 65, Nat. Insts. Health 1el, 65 67, Ph.D. (Sociol), 70. Lectr. SOCIOL, California, Los Angeles, 67-69; ASST. PROF, SCRIPPS COL, 69- Sociol. Asn. Social stratification and mobility; social structures and socialization, especially learning in family and educational structures; role adjustment, social sychology, comparative sociology. Address: Dept. of Sociology, Scripps College, Claremont, Calif. 91711.

THOMPSON, PAUL O. Psychoacoustics, Bioacoustics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

THOMPSON, DR. ROBERT L(OUIS). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Head biopsychol. prog, Hunter College, 695 Park Ave, New York, N.Y. 10021.

THOMPSON, PROF. RUSSELL GLENWOOD. Economics, Mathematics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. 69-, Institute of Statistics, Texas & Muliversity, College Station, Tex. 77843.

THOMPSON, DR. THOMAS F, b. Worcester, Mass, Sept. 13, 16; m. 49; c. 4. POLITICAL SCIENCE. A.B. Concord Col. 49; A.M. Indiana, 51, Ph.D. (govt. & econ.) 60. Placement officer, personnel dept. U.S. Dept. Navy, Wash, D.C. 49-53; instr. govt. Indiana, 56-60; asst. prof. polit. sci, Wisconsin, 60-62; Western Michigan, 62-64; assoc. prof. South Florida, 64-66; TRACHER GOVT, SOCIOL. & ED, ST. PETERSBURG JR. COL., 66- Asst. & acting dir, inst. training pub. serv, Indiana, 53-55; dir, inst. pub. affairs, Western Michigan, 63-64. Consult, cities of Lake County, Ind, 56-60. Mem, Midwest urban govt. surv, Ford Found, 56-; Kalamazoo County Planning Cnm, 66; chmn, charter cmn, Belleair Beach, Fla, 67. U.S.A.A.F, 42-45, S/Sgt. Polit. Sci. Asn; Soc. Pub. Admin. Urban studies; public administration; regulation of business; normative political theory; sociology of education. Publ. Study guide for American government, Holt, 68. Address: 469 N. Harbor Dr, Indian Rocks Beach, Fla. 33535.

THOMPSON, PROF. TRAVIS I. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Psychiatry Research Unit, University of Minnesota, Box 392 Mayo, Minneapolis, Minn. 55455.

THOMPSON, PROF. WAYNE NOEL, Speech, Rhet, see 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama. Correction to publications: Auth, Fundamentals of communication, McGraw, 57; Quantitative research in public address and communication, Random, 67.

THOMPSON, DR. WENDEL L(AWRENCE). Speech, Psychology. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

THOMPSON, DR. W(ILLARD) SCOTT. International Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Fletcher School of Law & Diplomacy, Medford, Mass. 02155.

THOMPSON, PROF. WILLIAM H. Economics. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New information: Also chann, 68-, Industrial Administration Dept, Iowa State University, 300 Carver Hall, Ames, Iowa 50010.

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THOMSON, DR. DALE C(AIRNS). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir. Center Can. Studies, School of Advanced International Studies, 1740 Massachusetts Ave, N.W, Washington, D.C. 20036.

THOMSON, PROF. ROBERT BRUCE, b. Providence, R.I., July 28, 12; m. 44.
POLITICAL SCIENCE. A.B., Harvard, 32, LL.B., 36; London Sch. Econ, 32-

33; Columbia, 50-53. Instr. govt, MAINE, 47-50, asst. prof, 53-60, assoc. prof, 60-68, PROF, POLIT. SCI, 68- U.S.A.A.F, 42-46, T/Sgt. Polit. Sci. Asn. Political theory; history of political philosophy; public law. Address: 15 Slevens N, University of Maine, Orono, Maine 04473.

THORESON, DR. RICHARD WALLACE. Psychology, Counseling. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. ed, Missouri, Columbia, 69- Address: 611 Westridge, Columbia, Mo. 6520.

THORNE, DR. B. MICHAEL, b. Shreveport, La, Sept. 7, 42; m. 64. PSY-CHOLOGY. B.A, La. State, 64, M.A, 67, NASA fel, 67-69, Ph.D.(psychol), 69. ASST. PROF. PSYCHOL, La. State, Baton Rouge, 69-70; MISS. STATE, 70-AAAS. Physiological and comparative psychology; brain lesions and animal behavior. Publ: Co-auth, Single animal observation versus pair observation in Macaca Irus, J. Genetic Psychol, 69 & Position reversal learning as affected by occipital, posterior thalamic, and rubral lesions in the white rat, Psychonomic Sci, 70, auth, Visual discrimination performance in rats following nucleus posterior thalami; and di-mesencephalic juncture damage, J. Comp. & Physiol. Psychol, 70. Address: Dept. of Psychology, Mississippi State University, State College, Miss. 39762.

THORNE, CHARLES, b. Fairbury, Ill, Aug. 19, 05; m. 28; c. 2. SOCIOLOGY, RELIGION. S.B. Chicago, 25; B.D. Yale, 28; Columbia, N.Y. Univ, Minnesota, Michigan, Chicago, 54-68. Pastorates, Presby Churches, Mid-West, 28-49; minister church exten, new church orgn, Presbytery St. Paul, 49-54; res. assoc, obt. nat. missions, United Presby, Church, 54-64; DIR. RES, DEPT. CHURCH PLANNING & RES, COUN. CHURCHES, CITY OF NEW YORK, 64-Mem. spec. cmn. study inner city, Presby Church, 54-56. Assoc. Sociol. Asn. Church planning and research, the application of the methodology and findings of the social sciences to the evaluation of church institutions, and their adjustment to anticipated social change. Publ. Overview of Presbyterianism in Allegheny County, Pennsylvania, 4 Vols, Bd. Nat. Missions, United Presby, Church, 64; The use of counselling to secure crisis change, 65 & co-auth, Church planning for ministry and mission to Queens, N.Y.C. 69, Coun. Churches of City of New York. Address: 70 La Salle St, Apt. 17-B, New York, N.Y. 10027.

THORNE, DR. D(ENNIS) EUGENE. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 70-, Dept. of Psychology, Brigham Young University, Provo, Utah 84601.

THORNER, ROBERT M. Biostatistics, Public Health. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

THORNON, DR. GEORGE C, III, b. Dayton, Ohio, Feb. 2, 46; m. 66; c. 2. NDUSTRIAL PSYCHOLOGY. A B, DePauw, 62: M. S, Purdue, 64 66, Ph.D. lindust, psychol), 66. ASSOC. PROF. NDUST. PSYCHOL, COLORADO STATE, 66- Mgt. develop. adv, Fitzsimons Army Hosp, 69- Summers, field assessment officer; Peace Corps, 67 & 68. Psychol. Asn. Performance appraisal; personnel selection and training; leadership styles; organizational climate; psychometrics. Publ: Exercises in psychological testing, Harper, 68; The relationship between supervisory and self-appraisals of executive performance, Personnel Psychol, 68; The image of industrial psychologists among personnel administrators, J. Appl. Psychol, 69. Address: Dept. of Psychology, Colorado State University, Ft. Collins, Colo. 60521.

THORNTON, DR. JACK EDWARDS. Business Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Virginia Commonwealth University, \$20 W. Franklin St, Richmond, Va.

THORNTON, DR. JACK WELLAND, JR, b. Portland, Ore, May 14, 33; m. 67. ECONOMICS. B.A, Blackburn Col, 60; summer, Am. Soc. Eng. Ed-NASA fel 68; Ph.D. (agr. econ), Missouri-Columbia, 69. ASSOC. PROF. ECON, EAST CAROLENA, 65- Lectr, Chartered Property & Casualty Underwriters Econ. Seminar, 69-70. U.S.A.F., 53-57, S/Sgt. Econ. Asn. Regional economic development; quantitative economic analysis; resource use and development. Address: Dept. of Economics, Box 2767, East Carolina University, Greenville, N.C. 27834.

THORNTON, DR. ROBERT LEE, b. Orville, Ohio, June 8, 17; m. 41; c. 4. INTERNATIONAL BUSINESS, MARKETING. B.S, Akron, 39; M.B.A, Michigan, 51, Ph.D, 69; Indukt Col. Armed Forces, 61-62. Res. assoc, Michigan, 65-67, res. prin. investr, bur. int. commerce, 68; ASST. PROF. MKT. FLA. STATE, 68- Lectr. Eastern Michigan, 68. Transportation consult, City of Flint, Mich, 67-68. U.S.A.F, 39-65, Col.(Ret). Mkt. Asn, Asn. Ed. Int. Bus. Air line management, particularly multicompany and multinational organizations and regulating bodies, political and marketing problems. Publ. Air-line management and the innovative process, Bur. Dus. Res, Univ. Mich, 67 & International airlines and politics, a study in adaptation to changes, Bur. Int. Commerce, Univ. Mich, 70; Tourism, west from Europe, Bus. Horizons, 10/69. Address: School of Business, Florida State University, Tallahassee, Fla. 32306.

THORN TON, DR. THOMAS PERRY, b. Pittsburgh, Pa, Mar. 4, 31; m. 53; c. 3. INTERNATIONAL AFFAIRS. A.B., Haverford Col., 50; Tübingen, 50-51; Ph.D., Hopkins, 53. Vis. lectr. German, Hopkins, 54-55; cultural affairs officer, U.S. Info. Agency, India, 55-56; analyst, U.S. Dept. Navy, 58-63; chief div. res. & mail. for South Asia, U.S. DEPT. STATE, 63-69, MEM, PLANNING & COORD. STAFF, 69-Vis. res. assoc, center int. studies, Princeton, 61-62; assoc. prof. lectr, George Washington, 64-67; prof. lectr, American Univ, 68- Wn. A. Jump Found. meritorious award for exemplary achievement pub. admin, 68. U.S.N, 53-55, Res, 55-, Comdr. Asn. Asian Studies; Modern Lang. Asn. Am; Asn. Teachers German. Communist international relations; relationships among philosophy, theology and medieval German Hierature; Soviet policy towards the less developed countries. Publ: Co-auth, Grobianische tischzuchten, Erich Schmidt, 57; Communism and revolution & auth, Third world in Soviet perspective, Princeton Univ, 64. Address: 5064 Sedwick St. N.W, Washington, D.C. 20016.

THORPE, PRES. MARION D, b. Durham, N.C, Sept. 25, 32; m. 56; c. 2. PSYCHOLOGY, EDUCATION. B.A. & M.A, North Carolina Central, 58;

Ph.D, Mich. State, 61. From asst. to assoc. prof. psychol, chmn. interim cmt. psychol. & dean students, North Carolina Central, 61.-65; nat. asst. dir. Neighborhood Youth Corps, U.S. Dept. Labor, 65.-66, leader job develop. task force, 66; asst. dir. N.C. Bd. Higher Ed, 66.-67; v.pres, Central State, 67-66; PRES, ELIZABETH CITY STATE, 68. Consult, Ed. Assocs, Inc., U.S. Off. Econ. Opportunity & dyslexia & related reading probs, U.S. Off. Ed, 68-69. U.S.A. F, §2-56. Psychol. Asn. Factor analyses of academic achievement motivation. Publ: Factors accounting for intercorrelation in an inventory or academic motivation, Am. Personnel & Guid. Asn, §2 & Desegregation of North Carolina colleges and universities, fail, 1966, N.C. Bd. Higher Ed, 67; One state's program for Negro colleges, South. Ed. Report, 61. Address: Elizabeth City State University, Elizabeth City, N.C. 27908.

THRUSH, DR. RANDOLPH STERLING, b. Columbus, Ohio, Jan. 24, 31; m. 53; c. 2. PSYCHOLOGY. B.S. Otterbein Col., 51; M.A., Bowling Green State, 52; Ph.D. (psychol), Ohio State, 58. Lectr. psychol. 4 sest. dir. counseling & State, 58-61; from asst. to assoc. prof. psychol. 4 sest. dir. counseling & testing serv. Missouri, 61-65; assoc. prof. psychol. 4 DR. COUNSELING & Polytech, 65-67; ASSOC. PROF. COUNSELING & GUD. 4 DR. COUNSELING & CUNTER, WISCONSIN, MADISON, 67. 57. training-south, Vet. Admin, 61-65; voc. expert, bur. hearings & appeals, 50c. Security Admin, 63-66; voc. expert, bur. hearings & appeals, 50c. Security Admin, 63-67; voc. (U.S.A, §2-54. AAAS; Psychol. Ass.) Personnel & Guid. Associated for the security Admin, 63-68; voc. sweet, Sandress: University of Wisconsin, 415 W. Gilman St, Madison, Wis. 53706.

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THUNBERG, DR. PENELOPE H, b. Stoneham, Mass, June 17, 18; m. 46, ECONOMICS, B.A., Brown, 40, hon. Ll.D, 66; M.A., Radcliffe Cd, 42, Ph.D. (econ.) 45. Instr. econ, wells Col, 42-43; Mt. Holyoke Col, 43-44; asst. prof., Brown, 46-52; economist, Coun. Econ. Adv. D.C, 51-53; Cent. Intel. Agency, 54-65; CMRN, U.S. TARIFF CMN, 65. Fed. Woman's Award, 65. Am. Econ. Asn; Can. Econ. Asn; Econ. Hist. Asn. International economics; economic development; economics of controlled economics. Publ: The balance of interregional payments of New England, 50 & Economic development and comparative advantage (patterns of market behavior), 65, Brown Univ; Canadian balance of payments since 1868, Vol. XXIV, In: Studies in income and wealth, Nat. Bur. Econ. Res, 60. Address: U.S. Tariff Commission, Eighth and E Sts. N.W, Washington, D.C. 20436.

THURMAN, DR. WILLIAM GENTRY. Pediatric Hematology, Oncology. See Suppl. V to 11th ed, Phys. & Biol. Vols.

THUROW, DR. LESTER CARL, b. Livingston, Mont, May 7, 38. ECONOMICS. B.A, Williams Col, 60; Rhodes scholar, Oxford, 60-62; B.A. & M.A, 62; Nat. fel, Harvard, 62-64, M.A. & Ph.D.(econ), 64. Staff mem, Coun. Econ. Adv. 64-65; asst. prof. ECON, Harvard, 65-68, ASSOC. PROF, MASS. RNST. TECH, 68- David A. Wells prize, Harvard, 67-68. Econ. Asn.; Economet. Soc. Public finance; income distribution problems. Publ: Poverty and discrimination, Brookings, 69; Disequilibrium and the marginal productivity of capital and labor, Rev. Econ. & Statist, 2/68; A fiscal policy model of the U.S, J. Current Bus, 6/98. Address: E52-252D, Massachusetts Institute of Technology, Cambridge, Mass. 02139.

THURSBY, PROF. VINCENT V(ICTOR). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New publ: Co-auth, Contemporary political thought: Issues in scope, value and direction, Holt, 69. Address: Dept. of Government, Florida State University, Tallahassee, Fla. 32306.

THWEATT, DR. ROGER CLAY. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Prof, Northern Arizona, 67-; psychologist, Flagstaff Psychiat. clin, 67-; psychologist, Coconino Community Guid. Clin, 67- Address: Dept. of Psychology, Northern Arizona University, Box 5774, Flagstaff, Ariz. 86001.

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TIFFANY, DR. DONALD W, b. St. Louis, Mo, May 24, 30; m. 61; c. 2. CLIN-ICAL & SOCIAL PSYCHOLOGY. A. B, Drury Col, 53; M.A, Kansas, 57, Ph.D. (clin, psychologis). Soc. 934, Osawatonie State Hosp, 64; clin, psychologist intern, Kansas City Ment. Health Found, 64-65; res. assoc, inst. Community Studies, 65-68, sr. ses. assoc, 66-70, clir. Health, 69-70, proj. dir. voc. rehab. ad-MUNITY MENT. HEALTH CENTER, 70. Clin. asst. proj. sch. med, Missouri, Kansas City, 66-69, summer, lectr. proj. univ, 66. Consult, Training Corp. Am, Mo, 68; work incentive prog, Univ. Missouri, Kansas City, 69-69, summer, lectr. proj. univ, 66. Consult, Training Corp. Am, Mo, 68; work incentive prog, Univ. Missouri, Kansas City, 69, psychol. div, med. center, 69-70. Affliale, Nat. Training Labs; mem. adv. cmt, Mo. Asn. Ment. Health Bd. U.S.A, 53-55. Psychol. Asn, Personalty Codid. Asn. Personalty research; utilization of social science knowledge. Publ: Co-auth, The unemployed: a social psychological portrait, Prentice-Hall, 70; auth, Mental health: a function of experience control, J. Clin. Psychol, 23: 311-315; co-auth, A model of control, J. Gen. Psychol, 69. Address: High Plains Comprehensive Community Mental Health Center, Hays, Kans. 87601.

TIGER, DR. LIONEL. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Livingston College, Rutgers, The State University, New Brunswick N.J. 1980.

TILLEMA, DR. HERBERT K, b. Washington, D.C, Apr. 23, 42; m. 66. PO-LITICAL SCIENCE. B.A, Hope Col, 64; Woodrow Wilson Found: fel, Harvard, 64-65, Nat. Sci. Found. fel, 65-68, Ph.D.(polit. sci), 69. ASST. PROF. POLIT. SCI, HOUSTON, 68- Polit. Sci. Asn; int. Studies Asn. Foreign policy; international politics; organization and decision-making theory. Address: Dept. of Political Science, University of Houston, Houston, Tex. 77004.

TILLMAN, DR. ROLLIE, JR, b. Lake Wales, Fla, Apr. 11, 33; m. 57; c. 3. BUSINESS ADMINISTRATION. B.S, North Carolina, 55; M.B.A, Harvard, 57, D.B.A, 62. Lectr. mkt, North Carolina, 57-58; res. asst, Harvard Bus. Sch, 58-59; asst. prof, NORTH CAROLINA, CHAPEL HILL, 60-63, assoc. prof, 63-68; PROF, MKT. & DIR. EXEC. PROG, 68- Ford Found: summer mkt. workshop, 64. Mkt. Asn. Consumer behavior; measurement of brand images. Publ: Co-auth Promotion: persuasive communication, Irwin, 68; Bank marketing: text and cases, Addison-Wesley, 68; auth, Semantic differentiation measurement of consumer images to retail stores, South. J. Bus, 68. Address: Carroll Hall, University of North Carolina, Chapel Hill, N.C. 27514.

TILLY, PROF. CHARLES. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., sociol. & hist, 69-, University of Michigan, 3012 Literature, Science & Arts Bldg, Ann Arbor, Mich. 48104.

TIMASHEFF, PROF. N(ICHOLAS). Sociology. See 11th ed, Soc. & Behav. Vols. deceased 70.

TIMBERS, DR. EDWIN. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: George Washington University, Room 404, 2129 G St, N.W, Washington, D.C. 20006.

TIMMINS, PROF. DAVID B(RIGHTON), b. Sait Lake City, Utah, May 21, 30; m. 52; c. 4. ECONOMICS, GOVERNMENT. B.S. Utah, 54, M.S. 55; Ph.D. (polit. econ, gov), Harvard, 67. Head, res. div, Utah State Dept. Pub. Welfare, 54-55; vice consul, U.S. Dept. State, Manchester, Eng. 55-58, Reykjavic, Iceland, 56-60, economist, Bur. European Regional Affairs, D.C. 66-62, asst. econ. adv, U.S. Mission to Orgn. Econ. Cooperation & Develop, Paris, France, 63-65, dep. econ. adv, U.S. Mission to NATO, 65, spec. adv. to U.S. Ambassador & exec. secy, 65-66, chief econ. & finance sect, U.S. Embassy, Madrid, Spain, 67-68; PROF. ECON. & CHMN. DEPT, WEBER STATE COL. 66- Econ. Asn. International economic relations; institutions of economic cooperation; European economic cooperation. Publ: Charles Kingsley and the origins of Christian socialism; Univ. Utah, spring 54; Fair hearings in public assistance, Pub. Assistance Utal. Val. Sait Lake City, 1/55. Address: 167 L St, Sait Lake City, Utah 84103.

TINDALL, PROF. GEORGE B(ROWN). History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

ars, vol. 1, first.

TINKER, PROF. RENE (WALKER), b. Milwaukee, Wis, Mar. 8, 27; m. 52;
c. 3, POLITICAL SCIENCE. A. B, Radchiffs Col. 49; Ph.D. (contemporary
polit, theory), London, 54. Res. assocy Med. India Proj. California, Berkeassocy and Contemporary
polit, theory), London, 54. Res. assocy Med. India Proj. California, Berkeasst, proj. gort, Howard, 61.67; assoc, prof. & asst, provost, FED. CITY
COL., 67-69, PROF. POLIT. SCI. 69- Am. Inst. Indian Studies fel. & Howard
Univ. grant, 64-65; lectr., sch. adv. int. studies, Hopkins, 66-67; sr. res.
assoc, center policy res, Columbia, 69- Consult, Res. Anal. Corp, 67; Carnegic Cun. Higher Ed, 70; Bur. Soc. Sci. Res, 70- Polit. Sci. Asi, Asia Soc.
Problems of political development in India and Indonesia, especially representative institutions both cen'ral and local; education as a vehicle for
changing attitudes and political participation: United States and abroad.
Publ: Co-auth, Leadership and political institutions in India, Princeton, 59;
auth, Nationalism in a plural society: the case of the American South, West.
Polit. Quart, 3/66 & American college's response to the underprepared student, Center Policy Res, 69. Address: 4818 Drummond Ave, Chevy Chase,
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TINSLEY, DR. WILLIAM ALLAN, b. Springfield, Ill, Jan. 2, 33; m. 58; c. 2. AGRICULTURAL ECONOMICS. B.S, Illinois, 56, feb, 59-60, M.S, 60; Ph.D, Minnesota, 63. Mgr, L.W. Cook Farm, 56-59; res. asst. AGR. ECON, Minnesota, 60-63; asst. prof, MICH. STATE, 63-68, ASSOC. PROF, 68- U.S.A, 56-67. Agr. Econ. Asn; Asn. Comput. Mach. Computer applications to economic problems in agriculture. Address: Dept. of Agricultural Economics, Michigan State University, East Lansing, Mich. 48623.

TIRYAKIAN, PROF. EDWARD A(SHOD). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chunn, 69-, Dept. of Sociology & Anthropology, Duke University, Durham, N.C. 27706.

TITLEY, DR. ROBERT W(ESLEY), b. Denver, Colo, Oct. 30, 31; m. 58. PSY-CHOLOGY. B.A, Colorado, 57, M.A, 60, Voc. Rehab. Admin. 1el, 64, Ph.D. (psychol), 65. Asst. prof. PSYCHOL, COLORADO STATE, 55-69, ASSOC. PROF, 69- Consuit, intercultural community rels. bd, Colo. State Dept, Ed, 69- Psychol. Asn. Somatopsychology, especially the psycho-social situation of physically atypical persons and how other normal individuals perceive and behave toward them. Publ: Imaginations about the disabled, Soc. Sci. & Med, 69; co-auth, Expression of aggression toward the physically handicapped, Perceptual & Motor Skills, 69. Address: Dept. of Psychology/Colorado State University, Ft. Collins, Colo. 80521.

TITUS, PROF. JAMES EMERSON. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Dept. of Political Science, University of Kansas, Lawrence, Kans. 66044.

TOBIESSEN, DR. JON E(MANUEL), b. Berwyn, Pa, May 21, 37; m. 60; c. 3. PSYCHOLOGY. B.A, Ohio Wesleyan, 59; M.S. Pa. State, 61, D.Ed, 64. Res. psychologist, SCHENECTADY COUNTY CHILD GUID. CENTER, INC, 64-67,

STAFF PSYCHOLOGIST, 67- Consult, psychologist, Schenectady Head Start Day Care, 68-69; clin. dir, Oak Hill Sch, 70- Psychol. Asn; Soc. Res. Child Develop. Early identification of learning and behavior disorders; effects of mental health consultation with teachers; effects of amphetamines on hyperactive children; diagnosis and remediation of learning disabilities. Publ: Co-auth, The development of kindergarten behavior rating scales for the prediction of learning and behavior disorders, 67 & A role for the school in the pharmacological treatment of hyperkinetic children, 69, Psychol. in Schs. & A comparison of individual and group mental health consultation with teachers, Community Ment. Health J, 71. Address: Schenectady County Child Guidance Center, 821 Union St, Schenectady, N.Y. 12308.

TOCH, PROF. HANS H(ERBERT). Social & Experimental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. psychol, 68-, School of Criminal Justice, State University of New York at Albany, 221 Ontario, Albany, N.Y. 12203.

TODD, DR. EVELYN M. Linguistics, Anthropology. See Suppl. I to 5th ed, Dir. Am. Scholars.

TODD, DR. FOWLER I, b. Woodbury, Tenn, Dec. 14, 17; m. 40; c. 2. MAN-AGEMENT, MARKETING. B.S., Murray State Col., 40; M.A., George Peabody Col., 56; summers, Tennessee, 58 & 58; Ph.D. (bus.), Illinois, 65. Teacher, high schs, Tenn, 40-42; ed., specialist, Vet. Adm, 46-48; self-employed, 48-54; prin, elem. sch, Tenn, 54-55; teacher, high sch, 56-57; from instr. to assoc. prof. bus, Middle Tenn. State, 86-64; chmn. dept, Miss. State Col. Women, 64-65; CHMN. DEPT. BUS. ADMIN, MIDDLE TENN. STATE, 65-Instr., W.A. Inst. Tech, 50; U.S. Govt, grant, summer 66. Mgt. consult, 66-U.S.N, 42-45, Lt.(sg). Mkt. Asn. Behavioral science area of research in management and marketing. Publ: History of department of business administration at Middle Tennessee State University, Daily News J. & Sidelines, 69. Address: Dept. of Business Administration, Box 75, Middle Tennessee State University, Murfreesboro, Tenn. 37130.

TODD, DR. KAREN PRITCHETT, b. Bosque Co, Tex, Dec. 21, 36; m. 57; 68; c. 1. EDUCATIONAL PSYCHOLOGY. B.S., North Texas State, 57, M. S. 61; Fla. State, 62; Ph.D. (psychol), Iowa, 65. Teacher, Jr. high sch, M.Mex, 57-58; elem. sch, Tex, 58-59; asst, nursery sch, North Texas State, 60-61, asst. prof. psychol, 64-65; res. asst. family life res. Fla. State, 62; preventive psychiat, Iowa, 62-64; human behav, Ed. Res. Coun. Am, 65-67, asst. dir. psychol. dept, 67-68; ASST. PROF. ED. CLEVELIADS STATE, 68. Consult, Ed. Res. Coun. Am. & several sch. systs, 68; Flexible Learning Systs, 69-70. Ed. Res. Asn. Psychol. Asn; Nat. Soc. Study Ed. Mental health in education; child development; teacher education; learning in classroom. Publ: Co-auth, Giving emphasis to guided learning, 66 & Learning about behavior, 68, Ed. Res. Coun. Am; Piaget and the role of guided experiences. Perceptual & Motor Skills, 64. Address: 2402 Woodmere Dr., Cleveland Heights, Ohio 44106.

TODOROVIC, DR. RADMILO ANTONIJE. Microbiology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

TOISTER, DR. RICHARD PETER, b. New York, N.Y, July 18, 38; m. 61; c. 2. PSYCHOLOGY. B.S.E, Florida, 61; M.S, Miami (Fla), 63, Ph.D.(psychol), 67. Instr., dept. pediat, MIAMI (FLA), 67-68, ADJ. ASST. PROF. PSYCHOL. DEPT. PSYCHOL. & ASST. PROF. PSYCHOL. & PEDIAT, CHILD DEVELOP. CENTER & DEFT. PEDIAT, 68- Fla. Asn. Retarded Children res. award, 69. Mem, State Adv. Coun. Res. & Develop. Ed, Fla, 69-70. AAAS; Psychol. Asn; Asn. Ment. Deficiency. Social and language development; parent-child interaction in the pre-school age range. Publ: Co-auth, Transition behavior in free operant discrimination reversals, J. Exp. Child Psychol, 6/69. Address: 10480 S.W. 96th Terr, Miami, Fla. 33156.

TOLAN, SISTER PROVIDENCIA, F.C.S.P. Sociology. See PROVIDENCIA (TOLAN), SISTER, F.C.S.P, this Suppl.

TOLAND, PROF. WILLIAM G. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

TOLCOTT, DR. MARTIN A(RNOLD). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Mgr. human factors dept, Serendipity, Inc, Arlington, 69- Address: 2214 Martha's Rd, Alexandria, Va. 22307.

TOLIN, DR. PHILIP, b. Boston, Mass, Jan. 15, 43; m. 66; c. 1. EXPERIMENTAL PSYCHOLOGY. B.S, Massachusetts, 64; M.A., Iowa, 66, Ph.D.(exp. psychol), 67. Lectr. PSYCHOL, CENT. WASH. STATE COL, 67-68, ASST. PROF, 68- AAAS; Psychol. Asn. Investigation of perceived size-perceived distance cue; auditory noise effects on visual monitoring and recognition. Publ: Co-auth, PR effects in mixed and unmixed lists, Psychonomic Sci, 67 & Effect of task complexity and stimulus duration on perceptual-motor performance of two disables of the complexity and stimulus duration on perceptual-motor performance of two disables of the complexity of the comple

TOLOR, DR. ALEXANDER. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Correction: Res. prof. psychol, 65-, institute for Human Development, Fairfield University, Fairfield, Conn. 06430.

TOMARS, DR. ADOLPH S. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 788 Columbus Ave, New York, N.Y. 10025.

TOMBRINK, DR. KEITH B(ENJAMIN). Industrial Psychology, Statistics. See L.-Z Vol, 11th ed, Soc. & Behav. Volls. Change of address: 12418 Green-meadow Lane, Saratoga, Calif. 98070.

TOMES, DR. HENRY, b. San Antonio, Tex, Sept. 17, 32; m; c. 3. CLINICAL PSYCHOLOGY. B.A, Fisk, 57; M.S. Pa. State, 60, Ph.D. (psychol), 63. Inter PSYCHOL, Vet. Admin. Hosp, Pittsburgh, Pa, 60-61; asst, Pa. State, 61-62; instr, MEHARRY MED. COL, 63-66, asst. prof, 66-67, ASSOC. PROF, 67-Lectr, Fisk, 63-, participant, Children's Assocs. United Spec. Ed. proj, 64-

- 65. Consult, State Voc. Sch. Girls, 67- U.S.A.F, 50-54, S/Sgt. Psychol. Asn. Human learning; psychophysiological and medical education. Address: Dept. of Psychiatry, Meharry Medical College, Nashville, Tenn. 37208.
- TOMLINSON, DR. JERRY R. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Coordinator psychol. serv, 69-, Minnesota Board of Education, School Administration Bldg, 807 N.E. Broadway, Minneapolis, Minn. 55413.
- TOMLINSON, PROF. JOHN U(LYSSES), JR. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 70-, Division of Social & Behavioral Sciences, Ft. Hays Kansas State College, Hays, Kans. 67601.
- TOMMERAASEN, DR. MILES. Business Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Dir. bus. & finance, 69-, University of Nebraska, Lincoln, Nebr. 68508.
- TONTZ, DR. JAY LOGAN, b. Baltimore, Md, July 20, 38. ECONOMICS. B.A, Denison, 60; M.S, Cornell, 62; Ph.D. (labor econ), North Carolina, Chapel Hill, 66. Instr. ECON, U.S. Air Force Aca, 66-68, ASST. PROF, 68-69; CALIF. STATE COL. HAYWARD, 69- U.S.A.F, 66-69, Capt. Labor economics, the market for college teachers; macroeconomic theory; monetary theory. Publ: CO-auth, The present shortage of college teachers, Phi Delta Kappan, 4/68. Address: Dept. of Economics, School of Business and Economics, California State College at Hayward, Hayward, Calif. 94542.
- TONTZ, DR. ROBERT L(EE). Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Head agr. mkts, div, Orgn. Econ. Coop. & Develop, Paris, France, 88- Address: American Embassy, Organization for Economic Cooperation & Development, APO New York 09777.
- TOOMEY, DR. WILLIAM C, b. Brooklyn, N.Y, Jan. 12, 17; m. 43; c. 1. SOCI-OLOGY, CRIMINOLOGY. B.S, St. John's (N.Y), 43; M.A, Seton Hall, 56; Ph.D. (Sociol. of ed), N.Y, Univ, 67. Clerk, Brit. Air Cmn, N.Y, 42-44; personnel asst, West. Elec. Co, 44-47; Phelps Dodge Corp, N.J, 52-54; teacher, Holy Trinity High Sch, 54-55; instr., Dwight Sch, N.Y, 55-56; bus, ST. JOSEPH'S COL. (PA), 56-60, asst. prof. 60-68, ASSOC; PROF. SOCIOL, 68-SOC. Criminol; Sociol. Soc; Correctional Asn. Child rearing and impact on school deportment; correctional and police recruiting and training; municipal methods of hiring police. Publ: Employment for the offender, Proc, Am. Correctional Soc, 9/62; Analysis of certain personnel problems in correctional industry, Am. J. Correction, 164; Training in corrections, East. Probtn. & Parole Quart. Pa, 1/64. Address: 1314 Fairview Ave, Havertown, Pa, 19083.
- TOPLIN, DR. ROBERT B. Latin American & United States History. See 5th ed, Dir. Am. Scholars, Addenda, Vol. I, Hist.
- TORDA, DR. FLORENCE, b. Houston, Tex. SOCIOLOGY. B.A, California, Los Angeles, 49; M.A, Chicago, 66, Ph.D.(sociol), 69. ASST. PROF. SOCIOL, ILL. INST. TECH. 68- Sociol. Asn. Sociology of the family; heterosexual expectations of Negro and white adolescent girls; adult education and career orientations. Address: Dept. of Sociology, Illinois Institute of Technology, Chicago, Ill. 60616.
- TORGERSON, PROF. MALCOLM SCOTT. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 70-, Dept. of Marketing, Finance & International Business, Western Illinois University, Macomb, Ill.
- TORGERSON, DR. RANDALL E, b. Ladysmith, Wis, Sept. 23, 39; m. 67.
 AGRICULTURAL ECONOMICS. B.S., Minnesota, 62; Fulbright fel, Agr. Col.
 Norway, 65-66; M.S., Wisconsin, 67, Ph.D. (agr. econ.), 68. Fel. AGR. ECON,
 MISSOURI, COLUMBIA, 67-68, ASST. PROF, 68- Agr. Econ. Asn; Rural
 Sociol. Soc; Int. Asn. Agr. Econ. Agricultural marketing; economic organization of agriculture; group action in agriculture; farm policy. Publ. Producer power at the bargaining table, Univ. Missouri, 70. Address: 1712
 Cliff Dr. Columbia, Mo. 65201.
- TORRES, PROF. JOSE ARSENIO. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- TORRES, LORRAINE B(OVARD), b. Denver, Colo, Jan. 1, 27; m. 60. POLITICAL SCIENCE. B.A, Denver, 49, M.A, 51; George Washington, 56-58. Officer, U.S. Dept, State, 51-52 & 55-58; staff assoc, Am. Asn. Univ. Women, 58-63; prog. analyst, NAT. INST. MENT. HEALTH, 63-66, exec. secy, behav. sci. study sect. soc. sci. res. rev. cmt, 66-69, CHIEF SCC. SCI. SECT, BEHAV. SCI. RES. BR, 69- AAAS; Polit. Sci. Asn; Sociol. Asn. Anthrop. Asn; Asn. Asian Studies. Social sciences and public policy; Asian studies; law. Address: 2801 Quebec St. N.W, Washington, D.C. 20008.
- TORREY, PROF. JANE W(HEELWRIGHT). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Dept. of Psychology, Connecticut College, Box 1542, New London, Conn. 06320.
- TOSI, DR. HENRY LOUIS, JR, b. Martins Ferry, Ohio, Nov. 11, 36; m. 58; c. 3. ORGANIZATION THEORY, B.Sc, Ohio State, 58, M.B.A, 62, Ph.D. (mgt), 64. Indust. rels. super, Libby, McNell & Libby, 60-61; asst. instr. mgt, Ohio State, 62-64; asst. prof. bus. admin, Maryland, 64-67; ASSOC. PROF. MGT, MICH. STATE, 67- U.S.A, 58-60. Acad. Mgt. Management theory; personnel management. Publ: The effect of role consensus and expectations on the buyer-seller dyad, J. Bus, 66; A reexamination of some personality determinants of the effect of participation, Personnel Psychol, 70; co-auth, The effects of goal characteristics on the management by objectives process, Admin. Sci. Quart, 70. Address: Dept. of Management, Graduate School of Business Administration, Michigan State University, East Lansing, Mich. 48864.
- TOUGAS, DR. ROLLAND R(AYMOND), b. Edmonton, Alta, Oct. 6, 14. CLIN-1CAL PSYCHOLOGY. B.A, Queen's (Ont), 48; M.A, Syracuse, 50, Ph.D.

- (psychol), 55. Asst. prof. psychol, Akron, 55-5‡; assoc. prof. clin. psychol, Utah, 59-64; hosp. improv. psychologist, Utah State Training Sch, 64-66; HEAD START PSYCHOLOGIST, SALT LAKE CITY SCH. BD, 66. R.C.A.F, 43-45. Psychol. Asn. Process of psychotherapy; cognitive development; the effect of social deprivation on children's development. Publ. Ethnocentrism and client-centered psychotherapy, In: Psychotherapy and personality change, Univ. Chicago, 53; Strategy of search: an aspect of cognitive development, Proc. Int. Cong. Psychol, 66. Address: 35 F St, Salt Lake City, Utah
- TOUGH, DR. ALLEN MacNEILL, b. Montreal, Que, Jan. 6, 36; m. 60; c. 2. ADULT EDUCATION. B.A. Toronto, 58, M.A. 62; Ph.D. (adult ed), Chicago, 65. Teacher, Thomson Collegiate Sch, 59-81; asst. prof. psychol. & sociol, COL. ED, TORONTO, 64-66, ASSOC. PROF. ADULT ED, 66-, ONT. INST. STUDIES BN ED, 66- Vis. prof. Rajasthan, 68. Consult, Nat. Film Bd, 65-66; consult, ed. Adult Ed, 68-70. Mem. exec. cmt, Cmn. Profs. Adult Ed, 67-69; chmn, Nat. Seminar Adult Ed. Res, 68-69. Psychol. Asn; Ed. Res. Asn. Intentional adult learning; assistance for self-directed learners. Publ: Ed, Study abroad for adult educators, UNESCO, 64; auth, Learning without a teacher, 67 & Why adults learn, 68, Ont. Inst. Studies in Ed. Address: 195 Albertus Ave, Toronto 310, Ont. Can.
- TOULMIN, GEORGE B(OWERS). International Affairs. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position: Assoc. prof. pub. admin, grad. sch. pub. & int. affairs, Pittsburgh, 68- Address: 3247 N. Albermarie St, Arlington, Va. 22207.
- TOURNEY, DR. GARFIELD, b. Quincy, Ill, Feb. 6, 27; m. 50; c. 3. PSYCHIA-TRY. Quincy Col, 43-45; B.S, Illinois, 46, M.D, 48; M.S, Iowa, 52. Instr. PSYCHIAT, sch. med, Colorado, 52-55; sch. med, Miami (Fla), 53-54, asst. prof, 54-55; sch. med, Wayne State, 55-59, assoc. prof, 59-65, PROF, 65-67; COL. MED, IOWA, 67- Dipl, Am. Bd. Psychiat. & Neurol, 55, exam, 60-U.S.N.R, 45; Nat. Guard, U.S.A.R, 48-61, Maj. Fel. Psychiat. Asn; fel. Col. Psychiat. Clinical and collaborative research efforts on depressions, schizophrenia and psychotherapy; history of medicine and psychiatry. Publ. Co-auth, Lafayette clinic studies in schizophrenia, Wayne State Univ, 70 & Biochemical indentification of schizophrenia, Arch. Gen. Psychiat, 61; auth, History of biological psychiatry in America, Am. J. Psychiat, 69. Address: Dept. of Psychiatry, University of Iowa, 500 Newton Rd, Iowa City, Iowa 52240.
- TOWBIN, DR. ALAN P(AUL). Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. exec. dir, 69-, Educational Resources Inc, P.O. Box 395, Bloomfield, Conn. 66002.
- TOWNE, DR. CAROL CHWOROWSKY. Speech. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- TOWNSEND, PROF. EVERETT B(EAUMONT). Economics. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof. econ, Beaver Col, 70- Address: R.D. 1, Box 301, Cape May Court House, N.J. 08210.
- TOWNSEND, DR. HENRY, b. Winchester, Va, Mar. 2, 39; m. 69. ECONOMICS, OPERATIONS RESEARCH. B. A, Yale, 60; M. Sc, London Sch. Econ, 64; fel, Carnegie-Mellon Univ, 64-65; Ph. D. (econ), New Sch. Soc. Res, 69. ECONOMIST, U.S. Dept. Interior, 61-62; Am. Can. Co, 65-67; MATHEMATICA, INC, 67-U.S. A, 60-61. Econ. Asn, Economet. Soc. Behavioral foundations of micro-economic decision making; transportation. Publ: Co-auth, Studies on the demand for freight transportation, U.S. Clearinghouse for Sci. & Tech. Info, Vol. II, 69. Address: 386 Bleecker St, New York, N.Y. 10014.
- TOWNSEND, DR. MAURICE KARLEN. Political Science. See L-Z Vol, 11th ed, 80c. & Behav. Vols. New position & address: Prof. polit. sci. & v.pres. acad. affairs, 69-, Indiana State University, Administration Bldg, Room 210, Terre Haute, Ind. 47809.
- TOZZI, DR. JIM J. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: Forrestal Bldg, Room 4 G026, Gravelly Point, Va. 20315.
- TRABASSO, PROF. THOMAS. Experimental Psychology. See L.-Z Vol, 11th ed, 5cc. & Behav. Vols. New position & address: Prof, 68-, Dept. of Psychology, Princeton University, Princeton, N.J. 08540.
- TRABONT, DR. JACK L, b. Monroe, Wash, Apr. 3, 34; m. SPECIAL EDUCATION. B.S., Oregon, 60, fels, 64-67, M.S., 65, Ph.D. fed. except. children), 68; Portland State Col, 63-64. Juvenile dir, juvenile court, Lake County Circuit Court, Lakeview, Ore, 60-61; juvenile serv. worker, Linn County Juvenile Court, Albany, 61-62; MacLaren Sch. for Boys, Woodburn, 62-64; ASST. PROF. COMMUNICATIVE DISORDERS, INST. STUDY EXCEPT. CHILDREN & ADULTS, De PAUL, 67 Summer asst, Oregon, 65 & 66. U.S.A.F, 52-55. Ed. Res. Asn, Coun. Except. Children. Values and environmental stress. Address: Institute for the Study of Exceptional Children & Adults, DePaul University, 2322 Kenmore, Chicago, Ill. 60614.
- TRAGAKIS, DR. CHRISTIE J, b. Boston, Mass, Apr. 12, 44; m. 70. CHILD PSYCHOLOGY. A.B. Brown, 66; M.A., Iowa, 68; Ph.D. (child psychol), 69. ASST. PROF. PSYCHOL, BRITISH COLUMBIA, 69- Psychol. Asn; Soc. Res. Child Develop. The discrimination learning of normal children; actuational, mediational and verbal factors involved in children's learning. Address: Dept. of Psychology, University of British Columbia, Vancouver 8, B.C., Can.
- TRAGER, PROF. EDITH CROWELL. Linguistics. See 5th ed, Dir. Am-Scholars, Vol. III, For. Lang, Ling. & Philol.
- TRAGER, DR. FELICIA HARBEN. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Adj. prof. anthrop, Southern Methodist, 69-; adj. prof. behav. sci, Dallas, 89-; Am. Philos. Soc. res. grant, 69-70. Address: 4137 Purdue St, Dallas, Tex. 75225.

- TRAGER, PROF. FRANK N(EWTON). Government. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Hunt Lane, North Salem, N.Y. 10560.
- TRAMMELL, PROF. RAY. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- TRANSEAU, DR. LEON WAYNE. Computer Science, Management Science. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- TRAORÉ, DR. DIAWA-MORY, b. Guinea, Jan. 15, 39. ECONOMICS. B.A., Pittsburgh, 63, M.A., 66, fel, 66-68, Ph.D.(econ), 69. Statistician, Ed. Ministry, Guinea, 63-64, prof. econ. sci., Polytech. Inst. Conakry, 66; ASST. PROF. ECON, MIDDLE TENN. STATE, 68- Econ. Asn. International trade and industrial development. Address: Route 1, Christiana, Tenn. 37037.
- TRAUB, DR. ROSS E(UGENE), b. Didsburg, Alta, Jan. 1, 38; m. 58; c. 1. EDUCATION, PSYCHOLOGY. B.Ed, Alberta, 59, M.Ed, 61; M.A, Princeton, 63, D.Phil. (heyerloh), 64. Asst. prof. psychol, McGlill, 64-66; McASURE-MENT & EVAL, ONT. INST. STUDIES IN ED, 66-68, ASSOC. PROF. 68-Ed. Res. Asn, Nat. Coun. Measurement in Ed; Psychomet. Asn, Can. Psychological test theory and application; human abilities; educational measurement and evaluation; programmed learning; university admissions testing. Publ: Importance of problem heterogeneity to programmed instruction, J. Ed. Psychol, 66; co-auth. Effects of promised reward and threatened penalty on performance of a multiple-choice vocabulary test, Ed. & Psychol. Measurement, 69; auth. A factor analysis of programmed learning and ability measures, Can. J. Behav. Sci, 70. Address: Dept. of Measurement & Evaluation, Ontario Institute for Studies in Education, 102 Bloor St. W, Toronto 5, Ont, Can.
- TRAVLAND, DR. DAVID ARNOLD. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Supvr. res. unit, 69-, University Research Corp, 4301 Connecticut Ave. N.W, Washington, D.C. 20008.
- TRAWEEK, DR. MELVIN WINSTON. Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Counseling psychologist, 69-, Psychology Service, Veterans Administration Hospital, Tuscaloosa, Ala. 35401.
- TRAYLOR, PROF. ELWOOD BRENT, b. St. Louis, Mo, June 29, 27; m. 47; c. 4. EDUCATIONAL PSYCHOLOGY. A.B., Greenville Col, 48; M.A., Washington (St. Louis), 51, Ed.D.(ed., psychol), 66. Asst. prof. ed. & psychol. Centenary Col, 56-59; assoc. prof. Hendrix Col, 59-61; assoc. prof. psychol. & dir. testing, McMurry Col, 61-67; assoc. prof. ED. PSYCHOL, WICHITA STATE, 67-69, PROF, 69, CHMN. DEFT, 67. U.S. Off. Ed. grant, 68-69; Wichita State grant, 69-70. Consult. & researcher, aviation ed. progs. Cessna Aircraft Co, 67-68, consult. & res. dir. Aviation Ed, 69-70; consult, Wichita Pub. Schs. Growth & Develop. Prog, summer 69. U.S.C.G., 45-46. Ed. Res. Asn. Psychol. Asn. The study of social system variables on decision making behavior. Address: 2701 N. Pershing Court, Wichita, Kans. 67220.
- TRAYLOR, PROF. HARLON DWAIN. Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 68-, Dept. of Agricultural Economics, Louisiana State University, Baton Rouge, La. 70803.
- TREADWAY, DR. ROY CLAY. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Vis. assoc. prof, 69-, Institute of Population Studies, Hacettepe University, Ankara, Turkey.
- TREBACH, DR. ARNOLD S(HEPARD). Constitutional Law. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Chm. bd. dirs, Univ. Res. Corp, 69- Address: 7 Carderock Court, Bethesda, Md. 20034.
- TREGANZA, PROF. ADAN EDUARDO. Anthropology, Geography. See 11th ed, Soc. & Behav. Vols, deceased 68.
- TREMBLY, DR. W. AGIB. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Independent consult. Address: P.O. Box 578, Crystal Bay, Nev. 89402.
- TREMEL, DR. JEROME G(EORGE). Mathematics, Education. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- TRENT, DR. JIMMIE DOUGLAS. Speech. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- TREON, DR. MARTIN A, b. St. Paul, Minn, Feb. 11, 37; m. 59; c. 3. SPEECH PATHOLOGY. B.S, Minnesota, 59; M.A, Stanford, 61; Ph.D. (speech path), California, Los Angeles, 67. Speech pathologist, Crippied Children's Soc. Los Angeles, 60-67; instr. SPEECH PATH, Calif. State Col. Long Beach, 66-67; ASST. PROF, CALIF. STATE COL. FULLERTON, 67. Nat. Guard, 54-61. Speech & Hearing Asn. Speech Sound Perception; citel palate speech; communicology. Address: 4552 Wintersweet Way, Irvine, Calif. 29564.
- TRESSELT, DR. M(ARGARET) E(LIZABETH). Psychology. See 11th ed, Soc. & Behav. Vols, deceased 70.
- TRETIAK, DANIEL, b. Brooklyn, N.Y, Apr. 11, 37; m. 64. POLITICAL SCIENCE. B.A, Arizona, 58, M.A. 59; M.A. Harvard, 61; Hong Kong, 62-63; Fulbright Hays fel, Stanford, 67-68. Acting asst. ed, Far East. Ecbn. Rev, Hong Kong, 64; SR. POLIT. SCIENTIST, ADV. STUDIES GROUP, WESTING-HOUSE ELEC. CORP, 63- Consult, Rand Corp, 63-68; Stanford Res. Inst, 67-69. Asn. Asian Studies; Polit. Sci. Asn. International relations and comparative politics, with especial reference to the Communist system, particularly Chinese, Cuban and Soviet politics. Publ. Co-auth, Cuba's integration into the Communist system, 1962-1966; a preliminary assessment, In: The world Communist system—international and comparative studies, Bobbs, 69; auth, Political assassinations in China: 1600-1968, Nat. Cmn. Causes & Pre-

- vention of Violence, 69; Shifts in Chinese attention to and support of national liberation movements in Southeast Asia, 1966-1969, Current Scene, 11/1/69. Address: Advanced Studies Group, Westinghouse Electric Corp, 235 Wyman St, Waltham, Mass. 02154.
- TRIESCHMANN, DR. GEORGE V, b. Lake Providence, La, Aug. 31, 32; m. 55; c. 2. PSYCHOLOGY. B.S., Tulane, 54, B.Arch, 61; M.S., Utah, 67, Ph.D. (psychol), 69. ASST. PROF. ENVIRON. SYSTS, VA. POLYTECH, 68- Consult, Catholic Univ, 69; Nat. Inst. Ment. Health, 69- U.S.N.A.F, 54-57, 62-65, Lt. Comdr. AAAS; World Future Soc. Behavioral factors in environmental design; experimental community design; indirect sensing methods. Publ: Behavioral criteria in building design, Archit. Psychol, 6/67; Pattern and behavior in constructed environment, Ekistics, 6/68; Human factors in environmental research, in: Campus Plan II, Virginia Polytech. Inst, (in press). Address: Virginia Polytechnic Institute College of Architecture, Blacksburg, Va. 24061.
- TRIFFIN, PROF. ROBERT. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Master's Office, Berkeley College, 403A Yale Station, New Haven, Conn. 06520.
- TRIGGER, PROF. BRUCE GRAHAM. Anthropology. See L.-Z. Vol., 11th ed, Soc. & Behav. Vols. New position: Prof., anthrop, Dept. of Sociology & Anthropology, McGill University, Montreal, Que, Can.
- TRINER, DR. EDWIN G(EORGE). Social Psychology, Aeronautical Engineering. See L-2 Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir, 69-, Center for Management Studies Analyses, College of Business Administration, University of Houston, Houston, Tex. 77004.
- TRINKNER, CHARLES L(EO). Social Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New publ: Teaching for better use of libraries, Shoe String, 69. Address: Pensacola Junior College, Library Services, 2026 Peacock Dr., Pensacola, Fla. 32504.
- TRIOLO, DR. VICTOR A(NTHONY). Cancer, History of Science. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- V to 11th eq, Phys. & Biol. Vois.

 PRIONE, DR. VERDUN, b. Berkeley, Calif, m. 48; c. 1. EDUCATIONAL
 PSYCHOLOGY. B.A, Roosevelt, 47, Ill. Inst. Tech, 49-50; M.A, DePaul,
 50; Ed.D. (ed. psychol), California, Berkeley, 65. Dir. res, Clark Co. Schs,
 Nev, 62-66; ASSOC. PROF. COUNSR. ED. & COORDINATOR DEPT, NEVADA, LAS VEGAS, 66- Grant, 69-71. Consult, Elem. & Sec. Ed. Act prog,
 Clark County, 66-69; U.S. Off. Econ. Opportunity Mexican Migrant prog,
 Laredo, Tex, 69; Elem. & Sec. Ed. Act prog, Newport Beach Schs, Calif,
 69-70. Mem, Elem. & Sec. Ed. Act dv. Coun, Nev, 68-71. Adj.Gen.C,
 U.S.A, 44-46. Psychol. Asn. Student personnel service education; behavioral
 research; effect of consulants with teachers; student behavior and teacher
 effect; drug abuse; effect of counselors on school staffs and students; community socio-economic structures. Publ: Co-auth, Systems manned for
 implementing school programs, Nev. State Dept. Ed; Role of school psychologist in the community school, in: School psychological services,
 Prentice-Hall, 67; auth, School psychology, teacher change and fourth grade
 reading achievement, Calif. J. Ed. Res, 67. Address: Dept. Counselor Education, University of Nevada, Las Vegas, Nev. 89109.
- TRITES, DR. DAVID K(EIGHTLEY). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chief hosp. & health care facilities br, 70-, National Center for Health Services Research & Development, 5600 Fishers Lane, Rockville, Md. 20852.
- TRITES, DR. RONALD L, b. Quesnel, B.C., June 23, 36; m. 58. PSYCHOL-OCY, NEUROLOGY. B.Ed, Gonzaga, 56; M.A. Ottawa, 63, Ph.D. (clin. psychol), 65. Psychologist, Ottawa Civic Hosp, 61-64; head dept. psychol, St. Patrick's Col. (Ont), 64-67; Ont. Ment. Health traveling fel. neuropsychol, Wisconsin, Madison, 67-69; DIR. NEUROPSYCHOL. LAB, ROYAL OTTAWA HOSP, 69-4 ASST. PROF, DEPT. PSY-CHOPHYSIGL. & LECTR, DEPT. PSY-CHIAT, FACULITY MED, OTTAWA, 69- AAAS, Am. Acad. Neurol; Can. Psychol. Asn. Visual perception and visual postural deficits in patients with adaptive functions following cerebral insult. Publ.; Response sets on the rod-and-frame test in neurologically impaired subjects. Perceptual & Motor Skills, 69; co-auth, Psychologic test findings in the F-form of acro-pectoral-vertebral dysplasia: the E syndrome, Nat. Found, 69 & Evaluation of memory functions with intracarotid sodium amytal, Am. Neurol. Asn, 69. Address: Neuropsychology Lab, Royal Ottawa Hospital, 1145 Carling Ave, Ottawa, Ont, Can.
- TROCK, DR. WARREN LEIGH, b. Pratt, Kans, June 30, 26; m. 49; c. 3. ECCNOMICS, AGRICULTURAL ECONOMICS. B.S., Kansas State, 50. M.S., 56; Ph.D. Idgr. econ), Montana State, 66. Instr. agr. econ, Kansas State, 56-67; exten. economist, Montana State, 57-61, asst. prof. AGR. ECON, 63-64; TEXAS A&M, 64-68, ASSOC. PROF, 68- U.S.A, 44-46, 50-51. Agr. Econ. Asr., Water Resources Asn. Economics of natural resource development and use; resource development and use; resource development and resource development aproperty of the environment. Publ: Institutional factors and the Texas water plan, Proc, Fifth Annual Meeting, Am. Water Resources Asn, 10/69; Institutional factors affecting land and water development, Water Resources Research, Am. Geophys. Union, 12/69. Address: Dept. of Agricultural Economics, Texas A&M University, College Station, Texas 77843.
- TROJAN, DR. DAVID JOHN, b. Chicago, Ill, Feb. 2, 33; m. 61; c. 6. SOCIOL-OGY. B.A, Mo. Valley Col, 55; M.A, Chicago, 61; Ph.D. (sociol), Kentucky, 69. Instr. SOCIOL, Wis, State, Superior, 61-64; lectr, Kentucky, 64-67; ASSOC. PROF, WIS, STATE, EAU CLAIRE, 67- U.S.M.C.R, 53-, Maj. Sociol. Asn. Reference groups; small group structure. Address: Dept. of Sociology, Wisconsin State University, Eau Claire, Wis. 54701.
- TROSPER, DR. JOSEPH FORREST. Finance. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Financial adv. to pres. of Kabul Univ, Alghanistan, U.S. Agency Int. Develop, 70- Address: USAID/KABUL (ID), Dept. of State, Washington, D.C. 20523.

- TROST, DR. CHARLES H(ENRY). Vertebrate Zoology, Physiological Ecology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- TROTTER, PROF. LEONA SECHI. Economics. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New information: Also chmin, 70-, Dept. of Economics, Fairleigh Dickinson University, Teaneck, N.J. 07666.
- TROUT, DR. FRANK E(MANUEL). Modern History, Historical Geography. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- TROUT, PROF. ROBERT O(REN). Geography, Sociology. See L.-Z Vol., 11th ed, Soc. & Behav. Vols. New information: Also chmn. 69-, Dept. of Social Sciences, Louisiana Polytechnic Institute, Box 4107, Tech Station, Ruston, La. 71270.
- TROUTMAN, JAMES SCOTT. Engineering, Operations Research. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- TROWILL, DR. JAY ALLEN. Physiological Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- TROXELL, PROF. JOHN P(HILIP). Industrial Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New Information: No longer with Univ. Mississippi. Address: Kingscote Gardens, Stanford, Calif. 94305.
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- TRUITT, DR. WILLIAM JAMES, b. Dallas, Tex, Mar. 4, 40; m. 62; c. 2. ECONOMICS. B.A, Southern Methodist, 60; Ford Found. fel. & M.S, Purdue, 62; univ. fel, Illinois, 64-65; Ph.D. (econ), 68. Asst, prof. ECON, La. State, Baton Rouge, 65-68; ASSOC. PROF, BAYLOR, 68- Econ. Asn; Nat. Tax Asn. Shifting of excise taxes with the use of econometric methods. Address: Dept. of Economics, Hankamer School of Business, Baylor University, Waco, Tex. 78703.
- TRUMAN, PRES. DAVID B(ICKNELL). Political Science. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position & address: Pres, 69-, Mount Holyoke College, South Hadley, Mass. 01075.
- College, South Hadley, Mass. 10173.

 TRUSCOTT, DR. IDA P(ROUTY), b. Council Bluffs, Iowa, Oct. 1, 15; m. 41; c. 2. PSYCHOLOGY. B.A, Iowa, 40; M.A, Radcliffe Col, 45; Ph.D.(clin. & exp. psychol), Cincinnatt, 66. Intern psychol, State Dept. Soc. Welfare, Iowa, 40-41; teaching asst, NY. Univ, 41-42; jr. res. psychologist, psycho-acoustic lab, Harvard, 44-45; clin. psychologist, testing & advisement center, N.Y. Univ, 46; psychologist, Butler County Guid. Center, Ohio, 58-59; instr. & asst. psychol, Cincinnatt, 61-66; asst. prof, Xavier, 66-67; CONSULT. RES. & CLIN. PSYCHOL, ROLLMAN PSYCHIAT. INST, CINCINNATI, OHIO, 67- Clin. psychologist, Longview State Hosp, Cincinnatt, 66-67. Psychol. Asn. Radio range signals as masked by white noise; masking of speech by sine, square and regular and modulated pulses; memory process in brain-damaged adults; schizophrenic language; psycholinguistics and memory process. Publ: Co-auth, The masking of speech by sine waves, square waves and regular and modulated pulses, J. Acoustical Soc. Am, 46; auth, Short-term memory in brain-damaged adults, Am. Psychol. Asn. Proc, 67 Contextual constraint and schizophrenic language, J. Consult. Psychol, 70. Address: 2854 Ridgewood Ave, Cincinnati, Ohio 45213.
- TRUSSELL, DR. MARGARET EDITH, b. Alameda, Calif, Jan. 26, 28. GEOG-RAPHY. A.B, California, Berkeley, 49, M.A, 60; M.A, Calif. State Col. Long Beach, 57; grant-in-aid, Chico State Col, 68-69; Ph.D. (geog), Oregon, 69. Teacher, high schs, Calif, 53-57; econ, San Jose City Col, 58; teaching asst, California, Berkeley, 60-61; asst, prof. soc. sci, Southwest. Ore. Community Col, 61-66; GEOG, CHICO STATE COL, 66-70, ASSOC. PROF, 70-AAS; Asn. Am. Geog; Am. Geog. Soc. Econ. Bot. Pioneer agriculture and agricultural development, including origins and diffusion of land choice decisions and agricultural practices; distributions and human uses of native plants; history of geographic thought. Publ: Land choice by pioneer farmers: Western Butte County, through 1877, Univ. Microfilms, 69; co-auth, In view of the road, Westways, 61; auth, Geography field course, Nat. Defense Ed. Act Sect. Jr. Col. Workshop in Geog. Report, 67. Address: Dept. of Geography, Chico State College, Chico, Calif. 95926.
- TSIANG, PROF. S(HO) C(HIEH). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Economics, Cornell University, Ithaca, N.Y. 14850.
- TSUI, DR. TIM T. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Corp. dir. econ. anal, 69-, Dart Industries Inc, 8480 Beverly Blvd, Los Angeles, Calif. 9054.
- TSURUTANI, DR. TAKETSUGU, b. Nagasaki, Japan, Dec. 28, 36; m. 64; c. 1. POLITICAL SCIENCE. B.A, Lawrence Col, 58; Strasbourg, 58-59; M.A, Wisconsin, 64, P.D. Ijolit. sci), 66. Instr. POLIT. SCI, Nevada Southern, 65-66, ASST. PROF, 66-67; Maine, 67-69; WASHINGTON STATE, 69-Res. assoc, Center Rural Develop, 67-68. Polit. Sci. Asn; Asn. Asian Studies. Process of modernization; role of political leadership. Publi: Machiavelli and the problem of political development, Rev. Polit, 1768 & Stability and instability: a note in comparative political analysis, J. Polit, 11/68. Address: Dept. of Political Science, Washington State University, Pullman, Wash. 99163.
- TUAN, PROF. YI-FU. Geography. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position & address: Prof. 68-, Dept. of Geography, University of Minnesotta, Minneapolis, Minn. 54545.
- TUCCI, PROF. MARIO J, b. Peekskill, N.Y., June 24, 20; m. 55; c. 4. MAR-KETING, MANAGEMENT. B.S, N.Y. Univ, 42, M.A, 49; summers, Ford. Found, fel, Carnegie Inst. Tech, 57, 46; Mass. Inst. Tech, 51, 48SOC. PROF. MKT. & MGT, COL. BUS. ADMIN, FORDHAM, 68- Training con-

- sult, Naval Resale Syst. Off, U.S. Navy, 59- Mgt. Asn; Mkt. Asn. Consumer behavior in the market place; training of middle management areas. Publ: Co-audit, Channels of distribution, In: Principles of marketing, Pitman, 61. Address: Dept. of Marketing & Management, Fordham University College of Business Administration, Bronx, N.Y. 10458.
- TUCKER, DR. THOMAS J(ACOB), b. Chicago, Ill, June 4, 32; m. 55; c. 3. PSYCHOLOGY. B.A, Roosevelt, 54, M.A, 61; U.S. Pub. Health Serv. fel, Chicago, 62-64, Ph.D. (psychol), 65. Lectr. PSYCHOL, Roosevelt, 61-66; Ill. Col. Optom, 63-64; res. assoc, psychiat. & psychosom. inst, Michael Reese Hosp, 65-66; ASST. PROF, COL. MED, ILLINOIS, 66- U.S.A, 56-58. Psychol. Asn; Psychonomic Soc; Int. Soc. Develop, Psychobiol. Effects of neonatal brain damage on problem solving and sensory discrimination capacities in the developing organism. Publ: Co-auth, Sparing of function following localized brain lesions in neonatal monkeys, In: The neuropsychology of development, Wiley, 68; Sparing of photic frequency and brightness discriminations after striatectomy in neonatal cats, J. Neurophysiol, 31; 818-832 & Preservation of delayed response following combined lesions of prefrontal and posterior association cortex in infant monkeys, Exp. Neurol, 23: 491-502. Address: Neuropsychiatric Institute, 912 S. Wood St, Chicago, Ill. 60612.
- TUCKMAN, DR. JACOB. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir, 68-, Sulcide Prevention Center, City Hall Annew, Room 430, Philadelphia, Pa. 19107.
- TUDOR, THOMAS HUBBARD, b. Boston, Mass, Oct. 23, 09; m; c. 4. ECO-NOMIC & INDUSTRIAL DEVELOPMENT. A.B, Stanford, 32, M.B.A, 39; cert, Chicago Tech, 35, Jr. economist, Gov. Cmn. Re-employ, Calif, 39-40; progress enge, Permanente Metals Corp, 41-42; sr. researcher, Indust. Indemnity Co, 47-49; sr. economist, Stanford Res. Inst, 50-60 DIR. TUDOR RES, 61- U.S.N.R, 42-46, Res, 46-, Comdr. Consultative work and project operation in developing countries, especially all phases of their economic and industrial development including technical, vocational and management training. Address: 1626 Santa Barbara St, Santa Barbara, Calif. 93101.
- TUETING, DR. PATRICIA A, b. Jan. 26, 41; m. 66. PSYCHOLOGY. B.A, St. Olaf Col, 63; Higgins fel, Columbia, 63-64, M.A, 64, Nat. Inst. Ment. Health fel, 67-68, Ph.D. (psychophysiol), 68. Fel, N.Y. State Psychiat Inst, 68-69; ASST PROF. PSYCHOL, LEHMAN COL, 69- Res. assoc. psychiat, Columbia, 69-70. AAAS. Evoked potential correlates of complex psychological variables. Publ: Co-auth, Information delivery and the sensory evoked potential, Science, 67; auth, Quantitative evoked potential correlates of the probability of events, Psychophysiology, 70. Address: Biometrics Research, Psychiatric Institute, 722 W. 168 St, New York, N.Y. 10032.
- TUGWELL, DR. FRANKLIN, b. San Juan, P.R, Mar. 29, 42; m. 62; c. 1. PO-LITICAL SCIENCE. B.A, Columbia, 63, faculty scholar, 63-64, M.A, 64, Latin Am. Inst. Scholar, 64-65, For. Area fet, 66-68, Ph.D. [polit, sci), 69 Instr. GOVT, POMONA COL, 68-69, ASST. PROF, 69-, Hayes fet, summer, 68. Polit. Sci. Asn; World Future Soc. Latin American politics; modernization; political future studies. Publ: The Christian Democrats of Venezuela, J. Interam. Studies, 4/65. Address: Dept. of Government, Pomona College, Claremont, Calif. 9171.
- TULCHIN, SIMON H(ARRY). Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 3541 T St. N.W, Washington, D.C. 20007.
- TULL, DR. DONALD STANLEY. Marketing. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 2580 Highland Oaks, Eugene, Ore. 97405.
- TULLOCK, PROF. GORDON. Economics, Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. econ, 68-, Center for Study of Public Choice, Virginia Polytechnic Institute, Blacksburg, Va. 24061.
- TULVING, PROF. ENDEL. Experimental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 70-, Dept. of Psychology, Yale University, 333 Cedar St, New Haven, Conn. 06510.
- TUNG, DR. THEODORE H. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 50 Drake Rd, Somerset, N.J. 08873.
- TUPIN, DR. JOE P, b. Comanche, Tex, Feb. 17, 34; m. 55; c. 3. PSYCHIA-TRY. B.S, Texas, 55, M.D. 59. Intern, California, San Francisco, 60, res. psychiat, med. br. Texas, 60-62, Nat. Inst. Ment. Health fel, 62-64, asst. prof., 64-68, asst. dean, 67-68, assoc. prof. psychiat. & assoc. dean, 68-69, dir. res, 64-69; ASSOC. PROF. PSYCHIAT, SCH. MED, CALIFORNIA, DAVIS, 69-Nat. Inst. Ment. Health career teacher award, 64-66. Consult, Peace Corps, 66; Soc. Security Admin, 66-69; Austin State Hosp, 67-69. AAAS; fel. Psychiat. Ass., Fedn. Clin. Res. Psychopharmacology; manic depressive illness, family dynamics. Publ: The use of lithium carbonate in the treatment of manic psychosis; 102: 201-207 & Lithium effects on electrolyte excretion, 125: 356-542, Am. J. Psychiat; Computer monitoring and analysis of a psychiatric treatment program, Ment. Hyg., 79-77. Address: School of Medicine, University of California, Davis, Calif. 95616.
- TURBAN, DR. EFRAIM. Management Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Economics & Commerce, Simon Fraser University, Burnaby 2, B.C, Can.
- TURBEVILLE, PRES. GUS. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Pres, 69-, Coker College, Hartsville, S.C. 29550.
- TURIEL, DR. ELLIOT, b. Rhodes, Greece, Sept. 23, 38; U.S. citizen. DEVEL-OPMENTAL PSYCHOLOGY. B.B.A. City Col. New York, 69; Nat. Inst. Ment. Health fel, Yale, 61-65, Ph.D. (psychol), 65. Res. assoc. psychol, Center Urban Ed. & Bank St. Sch. Ed, 65-67; adj. asst. prof. Columbia, 66-67, asst. prof., 67-69; ASSOC. PROF. ED. & SOC. PSYCHOL, HARVARD, 69- Nat. Sci. Found. res. grant, 67-69. Psychol. Asn; Soc. Res. Child Develop. Social de-

velopment, particularly development of moral judgments, development of cognition and processes of developmental change. Publ: An experimental test of the sequentiality of developmental stages in the child's moral judgments, J. Personality & Soc. Psychol., 66; An historical analysis of the Freudian conception of the super ego, Psychoanal. Rev., 67; Developmental processes in the child's moral thinking, In: New directions in developmental psychology, Holt, 68. Address: Graduats School of Education, Harvard University, Larsen Hall, Appian Way, Cambridge, Mass. 02138.

VERSULL, DR. AUGUSTUS BACON, III, b. Atlanta, Ca, Mar. 7, 40; m. 65. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. A.B, Georgia, 62; Nat. Defense Ed. Act & Woodrow Wilson fels. & Ph.D. (govt), Virginia, 67. Asst. press seey. to Gov. Carl Sanders, Ga, 64-67; asst. prof. polit. sci, inst. govt, GEORGIA, 67-70, DIR. UNIV. SELF STUDY PROG, 70- Dir. Ga. Summer Intern. Prog. State Govt, 65-66; res. dir. (Citzens Cmt. Ga. Gen. Assembly, 69-70; summer prof, U.S. Civil Serv. Cmn, D.C., 69. Consult, Civil Defense Staff Col, Battle Creek, Mich, 68-70; constitutional revision, Ga. House Rep. 69. Polit. Sci. Asn; Soc. Pub. Admin; World Ed. Fel. Planning, programming and budgeting systems; public budgeting; administrative internships; state government organization; administration of higher education. Publ. Agencies of Georgia State Government, Univ. Georgia, 69; The PPB systems analyst: skills and training requirements, U.S. Civil Serv. Cmn, 69; co-auth, Budget making in Georgia and Wisconsin: a test of a model, Midwest J. Polit. Sci, 11/69. Address: 175 Baxter Dr, M-5, Athens, Ga. 30601.

TURNBULL, DR. WILLIAM W(ATSON). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Pres, 70-, Educational Testing Service, Princeton, N.J. 08540.

TURNER, DR. CASTELLANO BLANCHET, b. Chicago, Ill, June 14, 38; m. 61. PSYCHOLOGY. B.A, DePaul, 62, M.A, 63; Ph.D.(psychol), Chicago, 66. Lectr. psychol, exten. div, Chicago, 65-66; ASST. PROF, MASSACHUSETTS, 68- Prog. psychologist, Woodlawn-Hyde Park-Kenwood Prog, Manteno State Hosp, 66-67, prog. dir, 67-66; clin. instr. dept. psychiat, Chicago, 66-68, res. assoc, sch. soc. serv. admin, 68. AAAS; Psychol. Asn. Personality measurement; community mental health. Publ. Co-auth, Item quality and appropriateness of response process, Ed. & Psychol. Measurement, summer 68. Address: Dept. of Psychology, University of Massachusetts, Amherst, Mass. 01002.

TURNER, DR. CHRISTY (JENTRY), II, b. Columbia, Mo, Nov. 28, 33; m. 57; c. 3. PHYSICAL ANTHROPOLOGY. B.A, Arizona, 57, M.A, 58; Ph.D. (phys. anthrop), Wisconsin, 67. Phys. anthropologist-a-rchaeologist, Mus. North. Ariz, 58-61; acting asst. prof. PHYS. ANTHROP, California, Berkeley, 63-66; ASSOC. PROF, ARIZONA STATE, 66. Wenner-Gren Found grant anthrop. res, 68-69; trainee, Inst. Adv. Ed. Dent. Res, 69-; fel, Center Adv. Study Behav. Sci., 70-71. Am. Asn. Phys. Anthrop; Int. Asn. Dent. Res; Soc. Am. Archaeol; Int. Asn. Human Biol; Brit. Soc. Study Human Biol. Dental anthropology, prehistory, physical anthropology and microevolution of Arctic and Southwestern United States peoples; American Indians. Publ; Petrographs of the Glen Canyon region, Mus. North. Ariz. Bull, 63; Micro-evolutionary interpretations from the dentition, 30: 421-426 & co-auth, Dental chipping in Aleuts, Eskimos and Indians, 31: 303-310, Am. J. Phys. Anthrop. Address: Dept. of Anthropology, Arizona State University, Tempe, Ariz. 65281.

TURNER, DR. EDWARD D, b. Topeka, Kans, Nov. 9, 30. PSYCHOLOGY.
A.B. Washburn, 58; Ph.D. Kansas State, 66. Res. aest, Menninger Found,
Topeka, 56; 61; Kansas State, 61. 8; ass, rovf. PSYCHOL, CALEFORNIA,
DAVIS, 64.69, ASSOC. PROF, 69. CHAN. BLACK STUDIES PROG, 70.
Asst, Washburn, 56.58; res. asst, boyt. Health, Ed. & Welfare, 56.58; statistician, bur, child res. & endocrine lab, Kansas Univ, 58-59. Consult,
sacramento Youth Cong, U.E.O, Sacramento; Community Rels. Training
Prog, Sacramento Police Dept; consult. & organizer, Neighborhood Action
Group. Psychol. Ass. Social perception; experimental design; psychophysics; social personality. Publ: Co-auth, Influence of lightness upon judgment
of size: an exercise in multidimensional psychophysics, Am. J. Psychol, 78:
90.95; Vigilance performance with a qualitative shift in verbal reinforcers,
J. Exp. Psychol, 70: 38-36 & 71: 467-468, Response latency as a function of
the statistical structure of a prior schedule of presentation intervals, J.
Gen. Psychol, 75: 279-224. Address: Dept. of Psychology, University of
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TURNER, DR. KEITH K, b. Lincoln, Nebr, Apr. 6, 36; m. 58; c. 3. ECO-NOMICS. B.A, Nebraska, 59, M.A, 62, Ph.D. (econ), 68. Asst. prof. ECON, Denver, 68. 685, SSOC. PROF, NEBRASKA, OMAH, 69. U.S.A, 60. 61, 1st Li. Regional economic analysis. Publ: Co-auth, An index of Nebraska construction activity, Bur. Bus. Res, Univ. Nebr, 68 & The construction industry in Colorado, Col. Bus. Admin, Univ. Denver, 70. Address: Dept. of Economics, University of Nebraska at Omaha, Omaha, Nebr. 68010.

TURNER, PROF. ROBERT C(LEMENS). Business Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also v.chancellor, Indiana, Bloomington, 69- Address: 915 S. Highland Ave, Bloomington, 104. 47401.

TURNER, PROF. VICTOR WITTER. Anthropology. See L-Z Vol. 11th ed, 8oc. & Behav. Vols. Change of address: Committee on Social Thought, University of Chicago, Chicago, Ill. 80637.

TURNER, DR. WILLIAM HOMER HEYWARD. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: V.pres. & dir. studies in philanthropy & liberal ed, Acad. Ed. Develop. Inc, 70- Address: 475 Fifth Ave, New York, N.Y. 10017.

TURNER, DR. WILLIAM L. Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir, 99-, North Carolina Dept. of Administration, Box 1551, Raleigh, Nr. C. 27602.

TURRISI, DR. FRANK D(OUGLAS), b. Westerly, R.I, Feb. 15, 36; m. 61; c. 2. CHLD PSYCHOLOGY. B.A, Connecticut, 64; U.S. Pub. Health Serv. fel,

Brown, 65-68, A.M, 66, Ph.D. (psychol), 69. ASST. PROF. PSYCHOL, FLA. STATE, 68- U.S.N, 54-57. Psychol. Asn; Soc. Res. Child Develop. Attentional processes; discrimination learning and memorry, specifically as related to the transfer of learning. Publ: Co-auth, The effects of overtraining on the acquisition of intradimensional and extradimensional shifts, J. Exp. Psychol, (in press), Some effects of novelty and overtraining on the reversal learning of retardates, J. Exp. Child Psychol, (in press) & The effects of overtraining and training procedure on transfer of observing and instrumental responses in discriminative reversals, J. Comp. & Physiol. Psychol, (in press). Address: Dept. of Psychology, Florida State University, Tallahassee, Fla. 32306.

TURTON, DR. LAWRENCE J(AMES), b. Lorain, Ohio, Nov. 8, 34; m. 62; c. 4. SPEECH PATHOLOGY. A.B. John Carroll, 62; M.A. Western Reserve, 64; Ph.D. (speech path, audiol), Kansas, 66. ASST. PROF. SPEECH PATH. sch. med, Kansas, 66-68; BOWLING GREEN STATE, 68. Consult, div. hosp. & med. facilities, bur. health serv, 08. Deepth Serv, 68. Language development; language pathology of children and adults; articulation disorders of children. Address: Dept. of Speech, Bowling Green State University, Bowling Green, Ohio 43402.

TUSSING, DR. ARIJON R, b. Portland, Ore, July 22, 33; m. 66. ECONOMICS. A. B. Chiclago, 50; B.S. Ore, State Col, 52; Ford Found. For. Area fel, Hitotsubashi Univ, Japan, 60-62; Ph. D. (econ), Washington (Seattle), 65. Asst. prof. ECON, San Francisco State Col, 63-64; ALASKA, 65-67, ASSOC. PROF. 67: Pres. Ecosysts. Assocs, 67; economist, Fed. Field Cmt. Develop. Planning Alaska, Anchorage, 68. Econ. Asn. Econ. Hist. Asn. Economit Alaska-Japan economic roy that resurres economics. Publ. Co-auth. Alaska-Japan economic relations, Univ. Alaska, 68; auth. The labor force in Meiji economic growth, J. Econ. Hist, 3/66; co-auth. Kogyo Renz. Japan's ten year plan 1884, Econ. Develop. & Cultural Change, 9/67. Address: Institute of Social, Economic, and Government Research, University of Alaska, College, Alaska 99701.

TUTKO, PROF. THOMAS ARTHUR, b. Eallitzin, Pa, Sept. 8, 31; div; c. 4. PSYCHOLOGY. B.S. Pa. State, 55, M.A. 60; U.S. Dept. Pub. Health fel, Northwestern, 61-62, PhD. [losychol), 62. PROF. PSYCHOL, SAN JOSE STATE COL, 62- U.S. Dept. Pub. Health grant, 65-69. U.S.M.C, 49-52, S/Şt. Sports motivation; personality; psychological tests and measurements; mental health evaluation and assessment. Publ; Co-auth, Problem athletes and how to handle them, Pelham Books, 66 & The dynamics of coaching, Allyn, 70; auth, Clinical aspects of sport psychology, Quest, 70. Address: Dept. of Psychology, San Jose State College, San Jose, Calif. 95114.

TUTTLE, DR. ANDREW C. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. & chmn, 68-, Dept. of Political Science, University of Nevada at Las Vegas, Las Vegas, Nev. 89195.

TUTTLE, PROF. FRANK W(ALDO). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New publ: Co-auth, An economic history of the United States, South-West. Publ, 70. Address: 1540 N.W. Sixth Ave, Gainesville, Fla. 32601.

TYLER, PROF. FORREST BROOKS. Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Prof. psychol. & dir. clin. training, 69-, Dept. of Psychology, University of Maryland, College Park, Md. 20742.

TYLER, PROF. F(REDERICK) T. Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Correction in address: 3000 Beach Dr., Victoria, B.C, Can.

TYNER, DR. FRED H, JR. Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 68-, Dept. of Agricultural Economics, Institute of Food & Agricultural Sciences, University of Florida, Gainesville, Fla. 32601.

TYPPO, PROF. JOHN TAUNO. Human Nutrition, Biochemistry. See Suppl VI to 11th ed, Phys. & Biol. Vols.

U

UBER, PROF. HARVEY A(UGUST). Geography, Geology. See 11th ed, Soc. & Behav. Vols, deceased 69.

UDRY, PROF. JOE RICHARD, b. Covington, Ky, Oct. 12, 28; m. 50; c. 2. SOCIOLOGY. B.S, Northwestern, 50; M.A, Long Beach State Col, 56; Ph.D. (sociol), Southern California, 60. Instr. sociol, Chaffy Coli, Calif., 60-62; asst. prof. Calif. State Polytech. Col., 62-65; assoc. prof. SOCIOL. & MATERNAL. & CHILD HBALTH, NORTH CAROLINA, CHAPEL HILL, 65-69, PROF. 69- U.S.M.C, 51-53, Sgt. Fel. Sociol. Asn. Pop. Asn. Am; Pub. Health Asn. Sociology of the family; bio-social aspects of reproduction and sexual behavior; evaluation of health programs. Publ: The social context of marriage, Lippincott, 66; co-auth, Distribution of coitus in the menstrual cycle, Nature, 11,68; auth, Divorce, In: Encyclopedia Americana, Americana Corp, 70. Address: Dept. of Sociology, University of North Carolina at Chapel Hill, Chapel Hill, N.C. 27514.

UEHLING, DR. BARBARA S(TANER). Experimental Psychology. See ARCHER, DR. BARBARA UEHLING, this Suppl.

UGELOW, DR. ALVIN, b. New York, N.Y. Aug. 22, 34. GENERAL & EDUCATIONAL PSYCHOLOGY. B.A., City Col. New York, 55; M.S. Pa. State, 57, Ph.D. (gen. psychol), 60. Res. psychologist, behav. sci. lab, Wright Patterson Air Force Base, 59-62; Burroughs Corp, 62-64; instr. psychol, Wayne State, 64-65; coordinator programmed media, OAKLAND COMMUNITY COL. 65-66, ASSOC. PROF. PSYCHOL, 66-, HEAD DEPT. BEHAV. SCI. 63- Psychologist Personal Adjustment; relevance in education; contribution of discussion groups to learning. Publ: Motivation and the automation of training:

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a literature review, U.S. Air Force, 62; co-auth, Free association time as a function of word frequency, Can. J. Psychol, 57 & Proactive, retroactive and coactive inhibition with meaningful material, Psychol. Reports, 59. Adress: Dept. of Behavioral Sciences, Oakland Community College, Union Lake, Mich. 48085.

UHES, DR. MICHAEL J, b. Detroit, Mich, Feb. 26, 41; m. 68. CLINICAL PSYCHOLOGY. B.S, Utah State, 62, Ph.D. (psychol), 68; M.A, New Hampshire, 64. Psychologist, Reception & Diagnostic Center, Joliet, Ill, 64-65; res. asst. PSYCHOL, Utah State, 66-68; ASST. PROF, CARROLL COL, 68-Instr. psychol, Wisconsin, Waukesha, 69. Summers, psychol. consult, Bur. Indian Affairs Counseling Workshop, Logan, Utah, 68; Peace Corps Training Progs, Palau & Yap Dists, Micronesia, 69. Psychol. Asn. Personality factors associated with creative ability; predictors of success in Peace Corps training; sources of gain in psychotherapy. Address: Dept. of Psychology, Carroll College, Waukesha, Wis. 53186.

UHL, PROF. KENNETH PAUL, b. Ames, Iowa, July 3, 31; m. 51; c. 6. AD-MINISTRATION, MARKETING. B.Sc, Iowa, 53, M.A., 58, Ph.D. (bus. admin), 60. Asst, prof. statist. & mkt. Arizona, 59-60; mkt, Washington (Seattle), 64-65; assoc. prof. IoWA. 65-66, PROF. BUS. ADMIN, 66-, chmn dept, 66-68. Ford Found. & Found. Econ. Ed. fels, summer 63. U.S.A.F., 53-55, 1st Lt. Mkt. Ass., Inst. Decision Sci. Marketing information and research; state and national taxes on advertising services: impact and influences. Publ: Co-auth, Marketing research: information system and decision making, Wiley. 69; auth, Shareowner brand preferences, J. Bus, Univ. Chicago, 1/62; co-auth, Howa are laggards different: an empirical study, J. Mkt. Res, 2/70. Address: College of Business Administration, University of Iowa, Iowa City, Iowa 52240.

UHL, DR. NORMAN P(AUL). Psychology, Education. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Res. psychologist, 69-, Educational Testing Service, Mutual Plaza, Durham, N.C. 27701.

UHLANER, DR. J(ULIUS) E(ARL). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: U.S. Army Behavioral Science Research Lab, Commonwealth Bidg, 1320 Wilson Bivd, Arlington, Va. 22209.

UHLENHUTH, DR. E(BERHARD) H(ENRY). Psychiatry. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 68-, Dept. of Psychiatry, University of Chicago, 930 E. 59th 8t, Chicago, 111. 60637.

UHLIG, DR. GEORGE, b. Fremont, Nebr, Dec. 29, 33; m. 65; c. 1. EDUCA-TIONAL PSYCHOLOGY & RESEARCH. B.S.Ed, Nebraska, 55, M.Ed, 60, Ed.D.(ed, bsychol), 63. Instr. counsr. high sch, Calif, 60-61; supur. pre-col. instr. Nebraska, Omaha, 61-64; asst. prof. psychol. & ed, East. Ky. State Col., 64-65; ASST. PROF. ED. PSYCHOL, WISCONSIN-MILWAUKEE, 65-DIR, RES, SCH. ED, 68-, chmn. dept. ed. psychol, 66-68. Summer lectr, Ohio State, 65. Consult; Nebr. Human Resources Res. Found, 64-70; Ed. Systs. Corp. D.C, 66-70; Ed. Planning Cmn, Ministry Ed, Venezuela, 69; Wis. Higher Ed. Aids Bd, 69-70; U.S. Dept. Defense, summer 66. U.S.A, 55-57. Psychol. Asn; Personnel & Guid. Asn; Ed. Res. Asn. Latent structural analysis, program evaluation and econometric models for education. Publ: Co-auth, Aspirations of selected Appalachia youth, Personnel & Guidane J, 1/67 & Attitude toward cheating and opportunistic behavior, J. Ed. Res, 5-6/67. Address: 6362 W. Cloverleaf Lane, Brown Deer, Wis. 53223.

ULEMAN, DR. JAMES STEPHEN, b. Pittsburgh, Pa, Aug. 12, 39; m. 62; c. 3. PERSONALITY. B.A, Michigan, 61; Nat. Inst. Ment. Health traineeship, Harvard, 61–65, Ph.D. (soc., psychol), 66. ASST. PROF. PSYCHOL, MICH. STATE, 65– Nat. Insts. Health res. grants, 67–68. AAAS; PSYCHOL, AICH. Soc. Psychol. Study Social Issues; Human motivation, especially regarding interpersonal influence and power; verbal behavior; projective tests; personality assessment; verbal conditioning and the role of motivation and awareness in such problem solving. Address: Dept. of Psychology, Michigan State University, East Lansing, Mich. 48823.

ULIBARRI, DR. RICHARD O(NOFRE). Latin American & American History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

ULLMAN, DR. ALBERT D(ANIEL). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Sr. v.pres. & provost, 68-, Tufts University, Meddord, Mass. 02155.

ULLMANN, DR. CHARLES A(LEXANDER). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. counseling, transitional manpower progs, Off. Secy. of Defense. Address: 3401 N. Randolph St, Arlington, Va. 22207.

ULLRICH, DR. HELEN. Linguistics, Anthropology. See Suppl. I to 5th ed, Dir. Am. Scholars.

ULMER, PROF. MELVILLE J(ACK). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New publ: The welfare state; U.S.A, Houghton, 69. Address: 10401 River Rd, Potomac, Md. 20854.

ULMER, DR. RAYMOND ARTHUR. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Res. & training psychologist, Camarillo State Hospital, Camarillo, Calif. 93010.

UNDERWOOD, DR. JANE HAINLINE, b. Ft. Bliss, Tex, Oct. 30, 31; m. 68; c. 3.
ANTHROPOLOGY. B.A, California, Riverside, 60, M.A, Los Angeles, 62,
Woodrow Wilson fel. & Ph.D.(anthrop), 64. Lectr. ANTHROP, California,
Riverside, 62-63, asst. prof, 63-65, res. asst. prof, 65-68, asst. prof, 66-68;
ASSOC. PROF, ARIZONA, 68- Res, grants, Soc. Sci. Res. Coun, summer
64, 69 & Nat. Sci. Found, 65-67. Chmn. task force anthrop, data processing,
human adaptability secf. Int. Blol. Prog. 67- AAAS, fel. Anthrop. Asn; Asn.
Phys. Anthrop; Brit. Soc. Study Human Blol. Population genetics and human
ecology; Pactific Islands peoples and culture; demography and population
studies. Publ: Culture and biological adaptation, Am. Anthropologist, 63:
Population and genetic described; and and supplied to the control of the control of

Acad. Sci, 66; Preliminary investigations in the demography and ecology of the Yap Islands, Micronesia, 69. Address: Dept. of Anthropology, University of Artzona, Tucson, Ariz. 85721.

UNDERWOOD, PROF. KENNETH W. Social Ethics, History. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

UNGER, PROF. PETER (KENNETH). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

UNO, DR. TADAO, b. Santa Maria, Calif, Nov. 4, 38; m. 67. EXPERIMENTAL, PSYCHOLOGY. A.B. California, Los Angeles, 60; M.A., Southern California, 63, Ph.D. (psychol), 66. ASST. PROF. PSYCHOL, BAYLOR, 66- Exp. psychol. consult, Waco Vet. Admin. Hosp, Tex, 67-70. AAAS; Psychol. Asn; Soc. Psychophysiol. Res. Psychophysiology; classical conditioning; autonomic response characteristics of psychopathy. Publ: Co-auth, Autonomic component of orienting behavior, 65 & Counterconditioning; fear and relaxation, 68, Psychophysiology; auth, Interoceptive conditioning of the galvanic skin response, Am. Psychol. Asn. Proc. 69. Address: Dept. of Psychology, Baylor University, Waco, Tex. 76703.

UNTEREINER, PROF. WAYNE W(HITLOCK). Anthropology, Public Administration. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dean acad, planning, 69-, California State College at Fullerton, 800 N. State College Blvd, Fullerton, Calif. 92631.

UPCHURCH, DR. HARLEY MASON. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof. 69-, Dept. of Sociology & Anthropology, Northern Illinois University, De Kalb, Ill. 60115.

UPPER, DR. DENNIS, b. Cleveland, Ohio, July 14, 42; m. 67. CLINICAL BSYCHOLOGY. B.A, Yale, 64; M.A, Cincinnati, 66; Ph.D. (psychol), Case Western Reserve, 69. COORDINATOR BEHAV. THER. UNIT, VET. ADMIN. HOSP, BROCKTON, MASS, 69. Psychol. Asn. Behavior therapy techniques; modification of smoking behavior; verbal conditioning; process and reactive schizophrenia; token economies. Publ: Co-auth, Brain damage, schizophrenia and five MMPI Items, J. Clin. Psychol, 68. Address: 198 Cross St, Brockton, Mass. 02401.

UPTON, PRES. MILLER, b. New Orleans, La, Dec. 27, 16; m. 42; c. 3. FINANCE, EDUCATIONAL ADMINISTRATION. B.B.A, Tulane, 38; Jerome Jones scholar. & M.B.A, Harvard, 40; Arthur W. Newton & univ. fels. & Ph.D. (Hinance), Northwestern 48; L.D. Lawrence, 65; Monmouth Col, 66; Ripon Col, 67; L.H.D. Loyola (III), 68. Off. mgr, col. commerce & bus. admin, Tulane, 38-39; instr. econ, Lake Forest Col, 40-43; soc. group worker, Kingsley House Settlement, New Orleans, 43-44; asst. econ, Northwestern, 44-45, instr. finance, 46-48, asst. prof, 48-50; assoc. prof, Washington (St. Louis), 50-54, dean sch. bus. & pub. admin, 51-54; PRES. BELOIT COL, 54-Chnn, Wis. Continuing Revenue Survey Cmn, 59-60; past pres, Wis. Found. Independent Cols; dir, Home Life Ins. Co. of N.Y; Household Finance Co. Trustee, Midwest Res. Inst. Mem, adv. bd, Am. Effective Law Enforcement, Inc. Econ. Asn; Statist. Asn; Finance Asn. (pres, 56). Publ; Co-auth, Introduction to business finance, McGraw, 53. Address; Beloit College, Beloit, Wis. 53511.

URBANSKI, DR. EDMUND STEPHEN. Foreign Languages. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.

URSULA, SISTER MARY, R.S.M. Geography. See HAUK, SISTER MARY URSULA, R.S.M., this Suppl.

USDANE, DR. WILLIAM M(ILLER). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. off. res, U.S. Dept. of Labor, 69-Address: 700 Seventh St, S.W, Washington, D.C. 20024.

USHER, PROF. DAN. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, Dept. of Economics, Queens University, Kingston, Ont, Can.

UVACEK, DR. EDWARD, JR, b. Newark, N. J. Sept. 12, 30; m. 59; c. 3. AGRICULTURAL ECONOMICS. B.S., Rutgers, \$2, M.S. U.S. Dept. Agr. Grad. Sch., 58; A. Amour & C. Guct. Opt.s. Sept. Sept. 60; Ph.D. Sept. Grad. Sch., 58; A. Amour & C. Guct. Opt. Sept. 60; Ph.D. Sept. Grad. Sch., 58; A. Sept. Sep

V

VACCARO, DR. J(OSEPH) JOHN. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. prof. grad. div. pastoral counseling, Iona Col, 69 -; dir, Park Ave. Consult. Center. Address: 5 Dartmouth St, Forest Hills Gardens, N.Y. 11375.

VAIL, PROF. JAMES P(ATRICK). Sociology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir. found, curriculum & teaching div, grad. sch. ed, Fairfield, 89- Address: 88 Knollwood Dr, Fairfield, Conn. 06430. VAJDA, PROF. EMIL H, b. Milwaukee, Wis, Oct. 13, 26; m. 60; c. 3. SOCI-OLOGY. B.S. Wisconsin, Madison, 50; M.A. Chicago, 52, Ph.D. (sociol), 60. Supry, Milwaukee Gaslight Co, 60-63; asst. prof. sociol, Wisconsin State-Oshkosh, 63-65; assoc. prof. & head dept, Bethany Col.(W.Va), 65-67; PROF. SOCIOL. & HEAD DEPT, NORTHERN MICHIGAN, 67- Summer, vis. lectr, Alberta, 66. U.S.A, 44-46. Fel. Sociol. Asn, Statist. Asn, Pop. Asn. Am. Demography; urban sociology. Publ: The professionals view society, Simon & Schuster, 69. Address: Dept. of Sociology, Northern Michigan University, Marquette, Mich. 49565.

NATQUETE, MICH. 49850.

VALENTINE, DR. CHARLES A, b. Princeton, N.J. May 29, 29; m. 62; c. 1.

ANTHROPOLOGY. B. A, Pennsylvania, 51, M.A., 53, Ph.D. (anthrop), 58; Pulbright scholar, Australian Net. Ungl. 45, 55, 58-6.

Kansas, 58-60; Mellon fel, Pittsburgh, 60-61; asst. 60, 190; Nat. 190; Nat. 51, 190; Nat.

VALENTINE, PROF. MILTON ALBERT. Speech, Communication. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

VAN ALSTYNE, PROF. ARVO. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

VAN ATTA, DR. RALPH EDWARD, b. Columbus, Ohio, July 24, 33; m. 62; c. 3. CLINICAL & COUNSELING PSYCHOLOGY. B.Sc. Ohio State, 55, M.A. 60, Ph.D. (guid. & counseling), 64. Intern counseling psychol, counseling center, Ohio State, 62-63; clin. psychol, Norwich Hosp, 63-64; asst. prof. ed. psychol. & psychologist, counseling & testing center, Texas, Austin, 64-69; ASSOC. PHOF. PSYCHOL. & RES. COORDINATOR, COUNSELING CENTER, SOUTHERN ILLINIOS, 69-Clin. psychologist, Austin Neuropsychiat. Clin, 66-69. Psychol. consult, Vet. Admin. Hosps, Tex, 67-69. U.S.A, 55-57, 1st Lt. AAS; Psychol. Asn; Asn. Adv. Behav. Ther. Personality and psychotherapy. Publ: A method for the study of clinical thinking, 13: 259-265 & Excitatory and inhibitory effect of various methods of observation in counseling, 16: 433-439, J. Counseling Psychol; Co-therapy as a supervisory process, Psychother: Theory, Res. & Practice, 6: 137-139. Address: 1002 Skyline Dr, Carbondale, Ill. 62901.

Van BEEK, DR. GUS W(ILLARD). Near Eastern Archaeology. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

VANCE, DR. BARBARA JANE, b. Salt Lake City, Utah, Mar. 5, 34. COUNSELING PSYCHOLOGY. B.A, Utah, 56; M.S, Brigham Young, 59; Henry
Newell fel, Stanford, 64-65, Ph.D. (counseling psychol), 67. Instr. human
develop. & family rels, Brigham Young, 59-62; early childhood ed, EllotPearson Dept. Child Study, Tufts, 62-63; res. asst. counseling psychol,
Stanford, 66-67; ASST. PROF. CHILD DEVELOP. & FAMILY RELS, BRIGHAM YOUNG, 67- Presch. supvr., Fremont Unified Sch. Dist. & lectr.
child develop, San Jose State Col, 66-67; U.S. Off. Ed. grant, 70-71. Psychol. Asn; Soc. Res. Child Develop. Behavior modification in prekindergarten children; instructional methods with prekindergarten children. Publ:
Social learning theory and guidance in early childhood, Young Children
Sõt & The counselor—an agent of what change?, Personnel & Guid. J, 67;
Modifying hyperactive and aggressive behavior, in: Behavioral counseling,
Holt, 69. Address: Dept. of Child Development & Family Relationships,
Brigham Young University, Provo, Utah 84601.

VANCE, DR. WILLIAM BROOKS. Physiological Psychology. See Suppl. V to 11th ed, Phys. & Biol. Vols.

VAN COTT, DR. HAROLD P(ORTER). Experimental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir. off. commun, 68-, American Psychological Association, 1200 17th St, Washington, D.C. 20036.

VANDE GUCHTE, PROF. MARTEN. Speech, Speech & Hearing Science. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

VANDER, PROF. HARRY J(OSEPH), III. Geography, Social Science. See 11th ed, Soc. & Behav. Vols, deceased 69.

VANDERMEULEN, DR. ALICE JOHN. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Ed, West. Econ. J, 69-Dept. of Economics, University of California, Los Angeles, Calif. 90024.

VAN DER SPEK, DR. P(ETER) G(EORGE). Economics. See L-Z Vol, 11th ed, 50c. & Behav. Vols. New position: Int. economist, Fed. Reserve Bank of N.Y, 70- Address: Rockledge House, 177 E. Hartsdale Ave, Hartsdale, N.Y. 10530.

VAN DER VEEN, DR. FERDINAND, b. Amsterdam, Netherlands, Mar. 24, 30; U.S. citizen; m. 57; c. 3. PSYCHOLOGY. B.S, Ohio State, 52; Ph.D. (psychol), Chicago, 58. Intern psychotherapy, counseling center, Univ. Chicago 54.55; counselor, Chicago Teacher's Col, 57; teacher, Chicago City Jr. Col, 57-55; (el. psychol, sch. med, Wisconsin, 58-59, res. assoc, psychiat. inst, 59-63; chief psychologist, dept. child psychiat, Creater Kansen, Inst. Ment. Health res. grant, INST. JUVENILE RES, 67-69; SR. RES. SCI-INIST & SUPVR, DIV. CLIN. RES, 69- Clin. psychologist Dean County

Guid. Center, 59-63; Nat. Inst. Ment. Health grant, 67-68. Consult, Vet. Admin, 66- Dipl, Am. Bd. Prfnl. Psychol, 69. Psychol. Asn; Acad. Psychother. Research on the treatment of families with problem children, on the process of psychotherapy, and the development of the Family Concept Test. Publ: The parent's concept of the family unit and child adjustment, J. Counseling Psychol, 65; Basic elements in the process of psychotherapy, J. Consult. Psychol, 67; The effects of the therapist and the patient on each other, In: The therapeutic relationship and its impact, Univ. Wis, 67. Address: Research Program, Institute for Juvenile Research, 232 E. Ohio St, Chicago, Ill. 60611.

VANDEZANDE, THOMAS J(ULES). Computer Engineering, Mathematics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

VAN DORN, PROF. HAROLD A(RCHER). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: West Cornwall, Conn. 06796.

VAN DUSEN, DEAN C(LARENCE) RAYMOND. Speech Pathology. See 11th ed, Phys. & Biol. Vols.

VAN HOEY, DR. LEO FRANS. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. sociol. & dir, urban studies, Lehigh, 69-New publ: Co-auth, The new urbanization, St. Martin's, 69 & The concept of community, Aldine, 70. Address: Dept. of Social Relations, Lehigh University, Bethehem, Pa. 18015.

VAN HORN, DR. RICHARD LINLEY. Management & Information Sciences. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also assoc. dean, 69-, Graduate School of Industrial Administration, Carnegie-Mellon University, Pittsburgh, Pa. 15213.

VAN HUYCK, ALFRED PHILLIPS, b. New York, N.Y., Jan. 22, 33; m. 55; c. 2. SOCIOLOGY, URBAN PLANNING. B.A, Dartmouth Col. 55; Nat. Sears Roebuck fel, North Carolina, 56-86, M.R.P., 60. Dir. planning & urban renewal, Herbert H. Smith Assocs, West Trenton, N.J. 59-63; chief planner urban renewal, Ford Found. Planning Adv. Croup, India, 63-67; PRES, PADCO, INC, 67- Ord.C, U.S.A, 55-57, 1st Lt. Inst. Planners; Int. Fedn. Housing & Planning; Soc. Int. Develop. Sociological and public administration aspects of housing for lowest income groups. Publ: Co-audit, The citizen's guide to urban renewal, Chandler-Davis, 62 & Urban planning in the developing countries, Praeger, 68; chap, In: Taming megalopolis, Anchor Books, 66. Address: PADCO, Inc, 1211 Connecticut Ave. N.W, Washington, D.C. 20036.

VANLANDINGHAM, DR. JANICE, b. Chicago, Ill, Aug. 21, 41; m. 67; c. 1. SOCIOLOGY. B.S, Western Kentucky, 63; Nat. Defense Ed. Act fel, Miss. State, 63-66, M.A, 65; Ph.D. (sociol), 68. ASST. PROF. SOCIOL, AUBURN, 68-, consult, sch. ed. jr. col. leadership prog. 69. Sociol. Asn, Rural Sociol. Soc. Industrial and occupational sociology; mass communications and social stratification. Address: Dept. of Sociology, Auburn University, Auburn, Ala. 36830

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VAN MONDFRANS, DR. ADRIAN PETER, b. Salt Lake City, Utah, Nov. 12, 37; m. 61; c. 2. EDUCATIONAL, PSYCHOLOGY, PSYCHOLOGY, B.S. Utah, 63, M.A., 64; Ph.D. (ed., psychol), Wisconsin, 67. ASST, PROF, ED. PSYCHOL, & PSYCHOL, & PSYCHOL, & PSYCHOL, & PSYCHOL, PURDUE, 67. Psychol. Asn; Ed. Res. Asn; Nat. Coun. Measurement in Ed. Audio-visual information transmission; creativity; feedback systems in teacher education, and teacher training. Publ: Co-auth, Learning of redundant material presented through two sensory modalities, Perceptual & Motor Skills, 19: 743-751 & Paired-associate learning within and across sense modalities and involving simultaneous and sequential presentations, Am. Ed. Res. J., 3/65; auth, Student attitudes and achievement in an educational psychology course after micro-teaching, Ed. Psychologist, 3/69. Address: 1005 Devon St, West Lafayette, Ind. 47906.

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The Edwards personal preference record and residence hall counseling success, Student Housing Res. Bull, 12/68. Address: ES 201, Adams State College, Alamosa, Colo. 81101.

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VARGAS, DR. ROBERT, b. Key West, Fla, Jan. 28, 38; m. 60. COUNSELING PSYCHOLOGY, PSYCHOLINGUISTICS. B.Ed, Miami, 62, B.A, 63, M.Ed, 64; M.S., Barry Col, 64; fel, Florida, 65-66, Ph.D.(counseling), 68; D.Sc, Ohio Christian Col, 68. Counselor, Miami-Dade Jr. Col, 64-65; consult, Kirby Elem. Sch, Gainesville, 65-66; counselor-to-residence, div, housing, Univ. Florida, 66-67, head counselor, 67-68, supr. grad. practicum, dept. student personnel serv, 67, sr. res. asst, commun. sci. lab, 68; dean student personnel serv, 67, sr. res. asst, commun. sci. lab, 68; dean student personnel serv, Southeast. Community Col, N.C, 69- Found, COUNSELOR, COUNSELOR, COUNSELOR, COUNSELOR, COUNSELOR, AGONGHOLING CENTER, CATONSVILLE COMMUNITY COL, 69- Instr. Santa Fe Jr. Col, Fla, 66-67; Nat. Inst. Health grant, Florida, 68; Nat. Endowment for Humanities consult, Southeast. Community Col, N.C, 69- Psychol. Asn; Personnel & Guid. Asn; Ed. Res. Asn, Acad. Polit. & Soc. Sci. Voice qualities and personality characteristics; characteristics of healthy personality as a function of positive experiencing and behaving: effective counseling outcomes as a function of counselor behavior in the counseling process. Address: Counseling Center, Catonsville Community College, 800 S. Rolling Rd, Catonsville, Md. 21228.

VARGO, DR. STEVEN W, b. Whiting, Ind, Sept. 9, 31; m. 57; c. 3. AUDIOL-OGY, SPEECH PATHOLOGY. B.S. Indiana State, 54; M.S. Purdue, 57; Ph.D. (audiol), Indiana, 65. Asst. prof. AUDIOL, ILLINOIS STATE, 65-69, ASSOC. PROF, 69- U.S.A., 54-56. Speech & Hearing Asn; Int. 50c. Audiol. Analyses of behavioral functioning on auditory stimulus tasks, especially as they apply to the diagnosis and rehabilitation of the hearing impaired. Publ: Speech intelligibility of deaf adolescents, Int. Audiol, 7/68; co-auth, Intelligibility of speech of hearing aids on inductance loop, J. Speech & Hearing Res, 3/69. Address: 1202 Spear Dr. Normal, III. 6.1761.

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VASLEF, DR. NICHOLAS P. Slavic Languages & Literatures. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.

VASTOKAS, DR. JOAN M., b. Toronto, Ont, Apr. 20, 38; m. 59. ANTHRO-POLOGY, ART HISTORY. B.A, Toronto, 60, Queen Elizabeth II Ont. fel, 60-61, M.A, 61; Can. Coun. fels, Columbia, 62-64, Ph.D. (lart hist, archaeol), 65-66, lectr. anthrop. & fine art, 66-67, ASST. PROF, 67-70; ANTHROP, TRENT, 70- Res. assoc. ethnol. Royal Ont. Mus, Toronto, 67-jo cassional lectr. & consult. for Nat. Gallery Can, 67-j. Can. Coun. Soc. Sci. & Humanities res. grant, 70-71. Soc. Ethnohist; Univ. Art Asn. Can; fel. Royal Anthrop. Inst. Gt. Britain & Ireland. Art and architecture of the Northwest coast Indians; petroglyphs of the Canadian shield; arts of Africa, Oceania and Americas. Publ: The relation of form to iconography in Eskimo masks, The Beaver, autumn 67; Review article: art and antropology, J. Can. Studies, 68; Architecture and environment: the importance of forests to the Northwest coast indians, Forest Hist, 10-69. Address: Dept. of Anthropology, Trent University, Peterborough, Ont, Can.

VATTANO, DR. FRANK J(OHN). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir. 89-, Office of Instructional Development, Colorado State University, Ft. Collins, Colo. 80521.

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VAUGHAN, DR. JAMES AGNEW. Organizational Behavior. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New publ: Co-auth, Banking computer style: the impact of computers on small and medium sized banks, Prentice-Hall, 69. Address: Dept. of Business Administration, University of Rochester, Rochester, NY, 14627.

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VAZ, DR. EDMOND W, b. Montreal, Que, Sept. 17, 24; m. 49; c. 1. SOCIOL-OGY. B.A, McGill, 51, M.A, 55; Ph.D.(sociol), Indiana, 65. Lectr. SOCIOL, McMaster, 62-63; ASST. PROF, Central Michigan, 64-65; WATERLOO, 65-Can. Coun. res. grants, 66, 68 & 69. R.C.A.F, 42-45, Flying Officer. Sociol. Asn, Can. Sociol. & Anthrop. Asn. Juvenile delinquency; sociology of sports. Publ: Ed, Middle-class juvenile delinquency, Harper, 67; co-auth, Perspective on middle-class delinquency, Can. J. Econ. & Polit. Sci., 63; auth, Delinquency and the youth culture: upper and middle-class boys, J. Criminal Law, Criminol. & Police Sci., 69. Address: Dept. of Sociology, University of Waterloo, Waterloo, Ont, Can.

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VEDDER, DR. RICHARD K(ENT), b. Urbana, Ill, Nov. 5, 40; m. 68. ECO-NOMICS. A.B, Northwestern, 62; M.A, Illinois, 63, Ph.D.(econ), 65. Res. assoc, cmn. rev, State Illinois, 62-63; asst. prof. ECON, OHIO, 65-69, ASSOC. PROF, 69- Consult, Lindsay-Schuab Newspaper, Inc, 63-68. Am. Econ. Ass. Econ. Hist. Asir, Royal Econ. Soc. Economic history; settlement patterns of American immigrants and history of mobility of native Americans. Publ: The impact of the Federal Deposit Insurance Corporation on banking stability, Proc. Bus. Hist. Conf. 68; co-auth, The increasing urbanization thesis, Explor. Econ. Hist, 70 & Settlement patterns of Canadian emigrants to the United States, Canadian emigrants to the United States, Canadian emiss.

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VELK, DR. THOMAS JAMES. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Assoc. prof, McGill, 70-; spec. consult, Fed. Res. Bd. Gov, Wash, D.C, 70-; ed. consult, Continuing Mgt. Ed. Co, Pa. Address: Dept. of Economics & Political Science, McGill University, Montreal, Que, Can.

VEMURI, DR. V. System Science, Computers. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

VENTURA, FRANK L, b. New York, N.Y. Feb. 26, 22: m. 43; c. 4. CITY PLANNING. B.S.S. City Col. New York, 50; M.C.P. California, Berkeley, 52. J. planner, planning dept, Westchester County, N.Y. summer 51; chief planner, Tulsa Metrop. Planning Cmn, Okla, 52-54; planning dir, planning dept, Fayetteville, N.C., 64-56; Pavkcet, R.I., 56-59; planning & renewal dir, planning dept, Warren, Mich, 59-63; planning & renewal dept, Alexandria, Va, 63-65; prod. mgr. & v. pres, Geer Assocs, 65-67; SR. RES. PLANNER, TRANSPORTATION RES. DEPT, TECH. CENTER, GEN. MOTORS RES. LABS, 67 - U.S.A, 43. Inst. Planners. Short range and long range planning for better urban communities; development of better analytical techniques for planning and evaluating transportation systems for present and future urban systems. Publ: A case history for a planned industrial park, Pawtucket, Rhode Island, Planning 1958, Am. Soc. Planning Officials, 58; A data processing system you can bank on, Am. City Mag, 1/66. Address: Transportation Research, Technical Center, General Motors Research Labs, Warren, Mich. 48090.

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VERNON, PROF. McCAY, b. D.C. Oct. 14, 28; m. 55; c. 1. PSYCHOLOGY, EDUCATION. B.A, Florida, 51; M.S, Gallaudet Col, 55; M.A, Fla. State, 58; Ph.D. (psychol.), Claremont Grad. Sch, 61. Teacher, Fla. Sch. Deat. Blind, 51-54; Tex. Sch. for Deat, 58-65; Colo. Sch. for Deat & Blind, 56-58; psychologist, Calli. Sch. for Deat, 58-62 & 63-64; clin. psychologist, Riverside County Gen. Hosp., Calli, 62-63; res. assoc. spec. ed, Illinois, 64-65; res. assoc. prof. psychol. & ed, DePaul, 65-66; res. psychologist, Michael Reese Hosp, 66-69; PROF. PSYCHOL, WEST. MD. COL, 69- Ed, Am. Ann. Deat, 68- Mem. nat. adv. cmt, Fed. Proj. for Multiply Handicapped Deat, Hot Springs, Ark, 66-; exec. bd, Coun. Orgns. Serving Deat, 66-; Coun. Except. Children, 67- Intel.C, U.S.A, 46-48. Psychol. Asr; Nat. Asn. Deat. Behavioral aspects of deathess and profound hearing loss. Publ: Multiply handicapped children's medical, psychological and educational considerations, Coun. Except. Children, 69; Sociological and psychological factors in profound hearing loss, J. Speech & Hearing Res, 69; co-auth, Deafness and minority group dynamics, Deaf Am. 69. Address: Dept. of Psychology, Western Maryland College, Westminster, Md. 21157.

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VESTERGAARD, DR. PER B. Medicine. See Suppl. V to 11th ed, Phys. & Biol. Vols.

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VIA, DR. JAMES E(DWARD), b. Clinton, Ky, Mar. 1, 20; m. 48; c. 7. AGRI-CULTURAL ECONOMICS, POLITICAL SCIENCE. B.S, N.C. State, 52, Nat. Defense Ed. Act Ict, 61-64, M.S, 64, Ph.D. Iecon, polit. scl), 67. Claims investr, Retail Credit Co, Ga, 48-50; agr. exten. agent animal & poultry sci, N.C. State, 52-61, asst, prof. AGR. ECON, N.C. State, 64-67; ASSOC. PROF. MARYLAND, 67- Consult, Melpar, Inc, 69- U.S.M.C, 40-45, Lt. Agr. Econ. Asn. Livestock and poultry marketing; cost studies in production of poultry products; system for handling animal wastes. Publ: Broiler futures for you?, co-auth, Livestock marketing in Maryland & The Delmarva poultry industry in interregional competition, Agr. Exp. Sta, Univ. Maryland, 70. Address: Dept. of Agricultural Economics, University of Maryland College of Agriculture, College Park, Md. 20742.

VIALLE, DR. KAREN L. RISTVET, b. Tacoma, Wash, May 21, 43; m. 69. POLITICAL SCIENCE, PUBLIC ADMINISTRATION. A.B. Puget Sound, 64; M.A., Washington State, 67, Ph.D. [Polit. sci), 68. Asst. POLIT. SCI, Washington State, 68-68; ASST. PROF, PUGET SOUND, 68. Summers, admin. asst. planning, Dept. City Planning, Tacoma, 66-67. Polit. Sci., Asn; Soc. Pub. Admin. Urban administration and politics, particularly the problems of urban planning. Publ. 17-the city and the suburt: a review of the concept of annexation, City Tacoma, 11/66; A model for decision-making; goals and policy formulation in comprehensive planning, Cuorum, Wash. State Univ. 3/68. Address. Dept. of Political Science, University of Puget Sound, Tacoma, Wash. 98416.

VICKERS, PROF. DOUGLAS, b. Rockhampton, Australia, July 13, 24; m. 46; c. 1. ECONOMICS. B.Com, Queensland, 49; B.Sc, London, 52, Ph.D.(econ), 56. Asst. prof. FINANCE PENNSYLVANIA, 57-61, assoc. prof. 61-67, PROF, 67- Ford Found. faculty res. fel, 64-65. Royal Australian Air Force, 42-46. Am. Econ. Asn; Economet. Soc.; Finance Asn; Royal Econ. Soc. Economic and financial theory; history of economic thought. Publ: Studies in the theory of money 1690-1776, Chilton, 59; The theory of the firm: production, capital and finance, McGraw, 68; The cost of capital and structure of the firm, J. Finance, 370. Address: Dept. of Finance, Wharton School, University of Pennsylvania, Philadelphia, Pa. 19104.

VICKERY, PROF. KATHERINE. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof. 68-, Dept. of Psychology, University of Montevallo, Montevallo, Ala. 35115.

VIKOR, DR. DESIDER. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 69-, Dept. of Economics, Western Carolina University, Cullowhee, N.C. 28723.

VINCENT, DR. JOAN E, b. Surrey, Eng, Nov. 17, 28. SOCIAL ANTHROPOL-OGY. B.Sc, London Sch. Econ, 58; M.A, Chicago, 64; Ph.D. (anthrop), Columbia, 68. Lectr. polit. sociol, Makerere Univ. Col. (Juganda, 66; ASP) PROF. ANTHROP, BARNARD COL, COLUMBIA, 68- Fel. Anthrop. Asn, fel, African Studies Asn. Political development in Africa and Asia; ethnic relations; politics of urban and agricultural development. Publ: African elite: the big men of a small town, Columbia, 70; Anthropology and political development, In: Politics and change in developing countries, Cambridge, 69; Local cooperatives and parochial politics in Uganda, J. Commonwealth Polit. Studies, 37.0. Address: Dept. of Anthropology, Barnard College, Columbia University, New York, N.Y. 10027.

VINCENT, DR. PHILLIP E(ARL), b. Beech Grove, Ind, Aug. 27, 38. ECO-NOMICS. A.B, Wabash Col, 60; Woodrow Wilson fel. & M.A., Stanford, 62, ell. & Ph.D. (econ), 68. Res. economist, res. inst, Denver, 62-64; Cmt. Urban Econ. fel, California, Los Angeles, 67-69; ASST. PROF. ECON, SOUTHERN CALIFORNIA, 69- Econ. Asn; Economet. Soc. Fiscal impact of commuters on central cities; reciprocal external effects; theory of external littles and public goods. Publ: Co-auth, External economic effects—an analysis and survey. Stanford Univ, 66; auth, Reciprocal externalities and optimal input and output levels, Am. Econ. Rev. 12/69. Address: Dept. of Economics, University of Southern California, Los Angeles, Calif. 90007.

VINCZE, DR. LAJOS, b. Ghiorac, Rumania, Jan. 26, 20; m. 59; c. 2. CUL-TURAL ANTHROPOLOGY. B. A, State Lycee E. Gojdu, Oradea, Rumania, 38; M.A, Univ. Hungary, Kolozsvar, 43, Ph.D. (ethnol), 44. Researcher, Sci. Inst. Transylvania, Kolozsvar, Hungary, 42-45; teacher Romance lang, State Lycee Salonta, Rumania, 45-47; letcl., Free Univ. Sci. & Soc. Acad, Mindszenty, Buenos Aires, 52-38; teacher Romance lang, Millersburg Mill. 44-66; ASST. PROF. ANTHROP, Moorehead State, 66-68; BSMINI, Inst. STATE, 68- Adl, prof. ethnol, Univ. Hungary, and Latin America; ethnological theory; ethnomusicology; ethnolinguistics. Publ: Folk song in the village Siter, Hitel, 39; Hemp work in the village Balvanyosvaralja, Univ. Hungary, Kolozsvar, 45; La cancion popular Hungara, Academy Mindszenty, 59. Address: Dept. of Sociology, Bowling Green State University, Bowling Green, Ohio 43402.

VINSON, DR. JAMES R(ICHARD), b. Wichita Falls, Tex, July 6, 37; m. 61; c. 1. ECONOMICS. B.B.A, Hardin-Simmons, 63, M.A, 64; fel, Houston, 64-67, M.A. 64; ph.D. (econ.), 68. Asst. prof. ECON, HARDIN-SIMMONS, 67-69, RES. PROF, 69-, DIR. BUR. ECON. & BUS. RES, 68- Mem, Nat. Univ. Res. Adminstr, 68- Small area or regional economic analysis. Publ: An economic base study—west central Texas, W. Cent. Tex. Coun. Govt, 69. Address: 5342 Burbank St, Abilene, Tex. 79005.

VIOLA, DR. RICHARD H, b. Monaca, Pa, Aug. 19, 29; m. 55; c. 5. INDUSTRIAL PSYCHOLOGY. B.S. Notre Dame, 52; M.S. Columbia, 57; Ph.D. (indust. psychol.) crgn. behav), N.Y. Univ, 66. Asst. to v.pres, Am. Car & Foundry Div, ACF Industs, Inc, 57-59; asst. to dean, grad. sch. bus, N.Y. Univ, 96-66, asst. prof. mgt. & asst. to dean, grad. sch. bus, N.Y. Univ, 99-66, asst. prof. mgt. & asst. dean, 66-68; ASSOC. PROF. MGT, SCH. BUS, TEMPLE, 68- U.S.C.G, 52-56. Acad. Mgt; Sociol. Asn. Organizational behavior: behavioral science: social psychology; business and society; environmental analysis. Publ: The utilization of management principles: an empirical study, In: The progress of management principles: an empirical study, In: The progress of management principles: an empirical study, In: The progress of management in the life insurance industry: some research findings, Econ. & Bus. Bull, 70 & Organization theory: a review of research and future direction, East. Acad. Mgt. Proc. 70. Address: 372 Speakman Hall, Temple University School of Business, Philadelphia, Pa. 19122.

VISCONTI, DR. JAMES ANDREW. Pharmacy. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

VISER, PROF. FESTUS JUSTIN. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New publ: Ed, The U.S.S.R. in today's world, 69 & ed, The public press—a force and a challenge, 70, Memphis State Univ. Address: Dept. of Economics, Memphis State University, Memphis, Tenn. 38111.

VISHER, DR. HALENE HATCHER. Economic Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New publ: Co-auth, Conservation of natural resources, Wiley, 70. Address: 1221 Dogwood Dr., Murray, Ky. 42071.

VISSER, DR. DERK. Modern History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

VITULI, DR. WILLIAM FRANCIS, b. Brooklyn, N.Y., July 17, 36; m. 61; c. 2. PSYCHOLOGY. B.A., Miami (Fla), 61, M.S., 63, Ph.D. (psychol), 66. Asst. prof. PSYCHOL, SOUTH ALABAMA, 65-69, ASSOC. PROF, 69 - Psychol. Asn. Experimental analysis of behavior: operant conditioning, learning theory. Publ: Stumulus properties of varied food concentrations, Psychonomic Sci, 67, The effects of punishment on food pellet discrimination, Fsychonomic Sci, 67, the effects of shock, insulin and food pellet properties on operant behavior. Psychol. Reports, 70. Address: Dept. of Psychology, University of South Alabama, Mohle, Ala. 36608.

VIZZA, DEAN ROBERT F, b. Apr. 2, 33; U.S. citizen; m. 54; c. 4.

MARKETING, MANAGEMENT M.B.A, City Univ. New York, 59; Ph.D., N.Y.

Univ. 67. Acct. exec, Diebold, Inc., 54-61; asst. prof. mit, St. John's (N.Y.),

61-66; assoc. prof. mkt. & chmn. dept. bus, C.W. Post Col, Long Island, 66
67; PROF. MKT. & DEAN SCH. BUS, MANNATTAN COL, 67. Consult, Gen.

Elec. Co; Gen. Aniline & Film Corp; Sylvania Elec. Prod. Corp; World

Trade Center, Port of New York Authority; J.P. Stevens Co; Enjay Chem.

Co; Hoffman-La Roche, Inc; Int. Paper Co. Marketing manpower develop
ment: marketing concept; sales management. Publ: Ed, New Andbook of

sales training, Nat. Soc. Training Execs, Prentice-Hall, 67; auth, Adopting

the marketing concept—fact or liction?, Sales Execs. Club New York, 67.

Address: School of Business, Manhattan College, Bronx, N.Y. 10471.

VIZZARD, DR. W(ILLIA)M R(AYMOND), JR. International Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Grad, Air War Col, 69. Address: J-7, Box 24, U.S. Taiwan Defense Command, APO San Francisco 98263.

VLACHOS, DR. EVAN C(ONSTANTINE), b. Piraeus, Greece, Nov. 15, 35; U.S. cilizen; m. 62; c. 2. SOCIOLOGY, LL.B. Athens, 59; M.A. Indiana, 62, cert. & Ph.D. (sociol.), 64. Asst. prof. SOCIOL, Pierce Col., Athens, 64.-66; Colorado, 66.-67; COLORADO STATE, 67-69, ASSOC. PROF. 69- Res. assoc. Atheman Inst Anthropos & res. dir. Soc. Sci. Center, Athens, Greece, 64-66; leetr, Univ. Maryland, European div, 65-66; res. specialist, new community proj. Univ. Colorado, 68; res. dir, Consol. Irrigation Systs. Proj. 69- Res. consult, Town Planning Div. of Greater Athens. Greek Army, 58-60, 2nd Lt. Sociol. Asn; Pop. Asn. Am', Asn. Adv. Slavic Studies. Problems of migration and migrant adjustment; process of urbanization and new community development criteria; population change and development efforts in developing nations; modern Greek society. Publ: The assimilation of Greeks in the U.S. Nat. Center Soc. Res. 68; Materials for the study of modern Greek society, Colorado State Univ. 69; Urbanization and development, Rocky Mt. Soc. Sci. J, 69. Address: Dept. of Sociology & Anthropology, Colorado State University, Ft. Collins, Colo. 80521.

VOELKER, DR. ALAN M(ORRIS). Science Education. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

VOGEL, DR. LAWRENCE, b. Brooklyn, N.Y., Aug. 27, 24; m. 44; c. 2. CLINI-CAL PSYCHOLOGY, PSYCHOANALYSIS. B.A. Brooklyn Col. 61; Ph.D. (psychol), Adelphi, 65. Trainee clin, psychol, Vet. Admin. Hosp. 62-65; asst. prof. PSYCHOL, NASSAU COMMUNITY COL. 65-69, ASSOC. PROF. 69. Instr., Adelphi, 63-65, sch. psychologisti, Mll. Neck Manor Lutheran Sch. for Deaf, 63-68; instr. City Col. New York, 65; psychotherapist, private practice, 66-; summers, chief psychologist, Elem. & Sec. Ed. Act grant, 66, 67 & 68. Psychol. Asn; Acad. Psychother. Publ. Co-auth, The measurement of experimentality induced affects, J. Consult. Psychol, 64; Female body image in personality and culture, In: Modern woman: her psychology and sexuality, C.C. Thomas, 69. Address: 62 Sunnyside Lane, Westbury, N.Y. 11390.

VOGEL-SPROTT, DR. MURIEL DORIS. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Dept. of Psychology, University of Waterloo, Waterloo, Ont, Can.

VOGLER, DR. ROGER E, b. Benton Harbor, Mich, Feb. 14, 38; m. 62; c. 2. PSYCHOLOGY. B.A, California, Los Angeles, 62; M.A, Arizona, 66, Ph.D. (psychol), 67. ASST. PROF. PSYCHOL, POMONA COL, 67. Res. psychologist & prin. investr, Dept. Ment. Hyg. grant, Patton State Hosp, Calif, 68-; res. scholar, Max-Planck Inst. Psychiat, Munich, 70-71; Pomona Col. res. grant, summer, 68. Res. consult, ed. systs. div, Parks Job Corps Center, Litton Indust, Pleasanton, Calif, 67; training consult, vet. Admin. Hosps, 69- Psychol. Asn. Conditioning cooperation between children; awareness in conditioning; aversion conditioning with chronic alcoholics. Publ: Awareness and the operant conditioning of a cooperative response, J. Psychol, 69: 117-127; sr. auth, In defense of operant conditioning programs in mental institutions, Psychol. Record, 19: 59-64 & Electrical aversion conditioning with chronic alcoholics, J. Consult. & Clin. Psychol, 70. Address: Dept. of Psychology, Pomona College, Claremont, Calif. 91711.

VOLD, PROF. GEORGE B(RYAN). Sociology. See 11th ed, Soc. & Behav. Vols. deceased 67.

VOLKOMENER, SISTER HELEN, F.C.S.P. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

VOLPE, PROF. PAUL A(NTHONY). Finance. See 11th ed, Soc. & Behav Vols, deceased 68.

VOLPP, DEAN LOUIS D, b. Ida Grove, Iowa, Nov. 16, 29; m. 56; c. 4. MAN-AGEMENT SCIENCE. B.S, Iowa State, 52; M.A, Iowa, 56, Ph.D.(mkt), 58. Instr. econ. hist. & statist, Iowa, 55-7; asst. prof. mkt, Illinois, 57-60, assoc. prof. bus. admin, 61-67, assoc. dir. grad. sch. bus. admin, 62-65, assoc. provost, 65-67, dir. comput. based ed. res. lab, 68-67; PROF. MAN-AGERIAL ECON. & CHMN. DEPT. MGT. SCI, DUKE, 67-, DEAN GRAD. SCH. BUS. ADMIN, 69- Vis. assoc. prof. Dartmouth Col. 60-61; chief div. tech. sci, State of Illinois, 66. U.S.M.C, 52-59, Res, 55-60, Capt. Econ. Asn. Inst. Mgt. Sci. Mkt. Asn. Market structure and strategy design; economics of organization design; managerial economics. Address: 115 Social Science Bldg, Dake University, Durham, N.C. 27706.

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VON DER EMBSE, DR. THOMAS J, b. Kalida, Ohio, July 30, 35; m. 64; c. 1. BUSINESS MANAGEMENT. B.S. Dayton, 66; M.B.A, Indiana, 61; Ph.D. (personnel admin), Ohio State, 68. Instr. mgt, St. Vincent Col, 61-63; asst. to dean, sch. bus, DAYTON, 64-65, ASSOC. PROF. MGT, 66- U.S.A, 54-56. Acad. Mgt, Soc. Adv. Mgt, Soc. Proposition Organizational identification; leadership attitudes; simulation training for managers. Address: 2038 Lakewood Dr, Dayton, Ohio 45420.

VON ECHARTSBERG, DR. ROLF H, b. Glendale, Calif, Aug. 5, 32; m. 62; c. 3. SOCIAL PSYCHOLOGY. B.A. Dartmouth Col, 58; M.A. Harvard, 62, Ph.D.(clin. psychol), 64. ASSOC. PROF. PSYCHOL, DUQUESRE, 64-U.S.A., 58-58. Psychol. Asn. Social psychology from experiential idiographic point of view with emphasis on ecological research techniques. Address: Dept. of Psychology, College of Liberal Arts & Sciences, Duquesne University, Pittsburgh, Pa. 15218.

VON FURSTENBERG, DR. GEORGE M, b. Germany, Dec. 3, 41; U.S. citizen; m. 67. ECONOMICS. B.S. Columbia, 63; Int. Finance fel, Princeton, 63-65, Ph.D. fecon), 67; univ. fel, Brookings Inst, 65-66. Asst. prof. econ, Cornell, 66-67; Brookings Inst. Econ. Policy fel, prog. eval. sect, U.S. Dept. Housing & Urban Develop, 67-68; ASST. PROF. ECON, CORNELL, 68-Econ. Asn, Nat. Tax Asn. Federal housing programs; income distribution; issues in efficiency of taxation. Publ. Default risk on FHA-insured home mortgages as a function of the terms of financing: a quantitative analysis, J. Finance, 6/69; Risk structures and the distribution of benefits within the FHA home mortgage insurance program, J. Money, Credit & Banking, 70; The effect of seasoning and downpayment percentage on the investment quality of home mortgages, J. Risk & Ins. (in press). Address: Dept. of Economics, Cornell University, Hhaca, N.Y. 14850.

VON LAZAR, DR. ARPAD J, b. Gyula, Hungary, Jan. 7, 35; U.S. citizen; m. 59; c. 2. POLITICAL SCIENCE. Baccalaureate, Rakoazianum, Hungary, 33; Budapest, 35; Cand. rer. Pol, Vienna, 59; M.A, North Carolina, 62-64; asst. prof. Vanderbilt, 64-67; ASSOC. PROF. FLETCHER SCH. LAW, 67-Consult, proj. eval, Agency Inf. Develop, Dominican Repub, 68, prog. & policy coord-title Dr div, 69. Del, Second Inter-Am. Conf., Latin American Inst. Polit. & Soc. Sci, Santiago, Chile Viña del Mar, 66. Problems of political modernization and social change in the developing countries; theory, method and scope of comparative politics. Publ. Co-auth, Reform and revolution: readings in Latin American politics, Allyn & Bacon, 69; auth. Chilean Christian democracy: lessons in the politics of reform management, Inter-Am. Econ. Affairs; Latin America and the politics of post-authoritarianism: a model for decompression, Comp. Polit. Studies, 10/68. Address: Fletcher School of Law & Diplomacy, Medford, Mass. 02155.

von LUTTICHAU, CHARLES V.P. Modern European & Southeast Asian History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

VON REDLICH, DR. JEAN D, b. Birmingham, Ala, Apr. 21, 21; m. 46, div. EDUCATIONAL PSYCHOLOGY, SPEECH PATHOLOGY. B.A, Alabama, 49, M.A, 54, Ph.D.(ed. psycho), counseling & guid), 67. Dir, Montgomery Speech & Hearing Center, Ala, 57-59; supvr. delayed speech prog, Bill Wilkerson Speech & Hearing Center, Nashville, Tean, 59-60; Memphia Speech & Hearing Center, 60-65; counseling psychologist, Vet. Hosp, Tucciloosa, Ala, 67,65; as prof. speech psh., Texas Prog., Sec. Amble COUNTY BD. PUB. RNSTR, 63- Psychol. Asn., Speech & Hearing Asn., Personnel & Guid. Asn.

Body image as a psychophysical factor in hearing loss; group process as a factor of change in student teaching. Address: Pupil Personnel Services, Escambia County Board of Public Instruction, Pensacola, Fla. 32506.

VON SINGER, DR. RONALD, b. Cincinnati, Ohio, Aug. 24, 31; m. 66. PSY-CHOLOGY. B.A, Cincinnati, 54; M.A, Temple, 57; Ph.D. (psychol), Mich. State, 63. Staff psychologist, Ohio State Hosp, Lima, 57-59; psychol. trained IV, Ann Arbor Vet. Admin. Hosp, Mich, 62-63; asst. prof. PSYCHOL, Albion Col., 63-65; fel, Merrill-Palmer Inst, 65-66; ASST. PROF, MARQUETTE, 66-AAAS; Psychol. Asn; Animal Behav. Soc; Personnel & Guid. Asn. Effects of video tape feedback on psychotherapy and motor behavior; applications of learning theory to mental retardation and psychotherapy; relationships of dynamic lumanistic and learning approaches to psychology and psychotherapy. Address: Dept. of Psychology, Marquette University, Milwanke, Wis. 53233.

von SPAKOVSKY, PROF. ANATOL. Sociology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Asst. prof., philos. & French, Miles Col, 68-69; prof. humanities & German, Athens Col, 69-70. Address: 10020 Hampshire Dr. S.E, Huntsville, Ala. 35803.

VORHAUS, DR. PAULINE G(ROSSMAN). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Intern training, sr. psychologist. & dir. psychol, Inst. for Crippled & Disabled, 69- Address: 155 W. 68th St, New York, N.Y. 10023.

VORIS, DR. HAROLD K. Zoology. See Suppl. V & VI to 11th ed, Phys. & Biol. Vols.

VOSS, DR. J(OSEPH) ELLIS. Social Psychology. See L-Z Vol. 11th ed, Soc. & Biol. Vols. New position: Prof, Villanova, 67- Address: 306 Canterbury Rd, Chatham Village, Havertown, Pa. 19083.

VOTEY, DR. HAROLD L, JR, b. Steubenville, Ohio, Mar. 22, 26; m. 47; c. 2. ECONOMICS. B.B.A, Michigan, 48, M.B.A, 49; Ph.D. (econ), California, Berkeley, 68. Partner, Bayart Prod. Co, Mich, 49-62; teaching asst. ECON, California, Berkeley, 63-66; ASST. PROF. CALIFORNIA, SANTA BARBARA, 66- Nat. Instst. Law Enforcement & Criminal Justice grant, 69. U.S.A.A.F., 44-45. Econ. Asn. International economics; economic development; population studies; economics of education and of crime. Publ: A synthesis of the economic and demographic models of fertility: an econometric test, Rev. Econ. & Sattist, 8/69; The optimum population and growth: a new look, J. Econ. Theory, 10/69. Address. Dept. of Economics, University of California, Santa Barbara, Calif. 93106.

VOTICHENKO, PROF. T. ALEXANDER. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

VUCHIC, DR. VUKAN RADMILO. Transportation Engineering. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

VUICICH, PROF. GEORGE. Urban Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. 68-, Dept. of Geography, Western Michigan University, Wood Hall, Kalamazoo, Mich. 4901.

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WACHS, DR. GERALD N. Dermatology, Allergy. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

WACHS, DR. T((HEDDORE) D, b. Brooklyn, N.Y. Feb. 6, 41. PSYCHOLOGY. B.A, Muhlenberg Col, 62; Nat. Inst. Child Health & Human Develop. fel. George Peabody Col, 62-66, M.A, 64, Ph.D. (free-recall learning by children), 68. Vis. res. assoc, psychol. develop. lab, Illinois, 65-66; intern, clin. Dysychol, Pittsburgh Child Guid. Center, Ps. 66-67; ASST. PROF. PSYCHOL, PURDUE, 67. Nat. Inst. Child Health & Human Develop. res. grant, 69-73. AAAS; Soc. Res. Child Develop; Psychol. Asn. Relation of early seperience to early intellectual development; measurement of early intelligence; stimulus parameters underlying curiosity and novelty seeking behavior; verbal learning in children. Publ: Co-auth, Perceptual distortions by mentally retarded and normal children in response to failure information, Am. J. Ment. Deficiency, 64 & Effects of arousing stimulation upon novelty preference in rats, Brit. J. Psychol, 67; auth, Report on the utility of a piaget based infant scale with older retarded children, Develop. Psychol, 70. Address: Dept. of Psychology, Purdue University, Lafayette, Ind. 47907.

WACHTEL, DR. HOWARD MARTIN, b. Philadelphia, Pa, Dec. 31, 38; m. 63. ECONOMICS. M.A, Connecticut, 62; Ph.D. (econ), Michigan, 69. Res. asst. U.S. Dept. Commerce, 62-64; inst. labor & indust. rels, Univ. Michigan, 656, 66, res. assoc, 69; ASST. PROP. ECON, AMERICAN UNIV, 89- Consult, low wage proj. inst. labor & indust. rels, Univ. Michigan, 69; ed.-in-chief, Rev.

Radical Polit. Econ, Union for Radical Polit. Econ, 69- Econ Asn; Indust. Rels. Res. Asn. Poverty; comparative economic systems; labor economics; manpower. Publ.: Hard-core unemployment in Detroit; causes and remedies. Indust. Rels. Res. Asn, 65; co-auth, Share of corporate profits in postwar period, U.S. Dept. Commerce, 65. Address: Dept. of Economics, American University, Massachusetts and Nebraska Ave. N.W, Washington, D.C. 20016.

WACK, DR. DUNSTAN J(OHN). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. 69-, Southern Colorado State College, Belmont Campus, Pueblo, Colo. 81001.

WADDELL, ROBERT MALCOLM, b. Brighton, Colo, May 12, 09; m. 38; c. 1. MANAGEMENT SCIENCE. B.S.Com, Kenlucky, 37; Pennsylvania, 32-35. Intern opers. res. Weyerhaeuser Co, 37-41; planning engr. Oregonshup Corp. Kaiser Industs. Corp. 41-47; planning analyst, eng. dept. Gen. Elec. Co. 47-49, admin. asst. opers. mgt, gen. staff, 49-50; planning analyst, Kaiser Aluminum & Chem. Corp. Kaiser Indust. Corp. 50-52; planning supt, Kaiser Aluminum & Chem. Corp. Kaiser Indust. Corp. 50-52; planning supt, sed. dept, E.I. du Pont de Nemours & Co, 52-55, sr. Statistician, 55-62; sr. indust. economist, econ. prog. center, Nat. Planning table, 26-70; SR. CON. SULT. MGT. INFO, DE LEUW. CATHER & CO, WASH, D.C., 70- Lectir. E.I. du Pont de Nemours & Co, 54-55, 61-62. Sr. consult, Systs. Tech. Asn. 65-65; col., med, Howard Univ, 69-70. Nat. Asn. Bus. Econ, inst. Mgt. Sci; Statist. Ass. Implementation of modularized input-output systems at microeconomic levels; new technology based on structure of management information inputs, modularized information flow in modified input-output framework. Fubl. Co-auth, Capacity expansion planning factors, Nat. Planning Asn. 66; auth, Administrative data planning, Systs. Mag, 11-12/57 & Expansion estimating, Chem. Eng. Progress, 8/61. Address: 2423 N. Lincoln St, Arlington, Va. 22207.

WADHVA, DR. CHARAN DASS, b. Manjha Kotla, Pakistan, June 28, 43; m. 69, ECONOMICS, INTERNATIONAL RELATIONS. B.A, Delhi, 62, M.A, 64; M.Phil. & Ph.D.(econ), Yale, 88. Asst. lectr. ECON, Delhi, 64-65; ASST. PROF, Western Kentucky, 68-69; ILL. INST. TECH, 69-Consult, U.S. Agency Int. Develop, New Delhi, 69-70. International economics, monetary economics; economic evelopment. Publ: Concentration of economic power in India: 1951-61, Econ. Affairs, Calcutta, 65, Reserve pooling in Asia and the Far East, Pakistan Develop. Rev, autumn 69 & Regional payments arrangements: an application to Asia and the Far East, Yale Econ. Essays, spring 70. Address: Dept. of Business & Economics, Illinois Institute of Technology, Chicago, Ill.-60616.

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- WAKEFIELD, PROF. LUCILLE M(ARION). Nutrition. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
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- Sample design for surveys; research in survey methodology, especially sampling, response errors and questionnaire design. Publ: Co-auth, A study of response errors in expenditure data from household surveys, J. Am. Statist. Asn, 64 & Sampling applications in census and surveys, Bur. Census, U.S. Dept. Commerce, 65; auth. The role of sampling in population censuses; its effect on timeliness and accuracy, Demography, 68. Address: 6302 Tone Dr, Bethesda, Md. 20034.
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- WALSH, PROF. JAMES ANTHONY. Psychology, Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. psychol. & statist, 69-, Dept. of Psychology, Iowa State University, Ames, Iowa 50010.
- WALSH, PROF. RICHARD G. Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 68-, Dept. of Economics, Colorado State University, Fort Collins, Colo. 80521.
- WALSH, DR. WALTER BRUCE, b. Buffalo, N.Y, Nov. 6, 36. COUNSELING & ECOLOGICAL PSYCHOLOGY. B.S. Pa. State, 59; M.A. Kent State, 61; Ph.D.(ed), Iowa, 65. Asst. prof. PSYCHOL, OHIO STATE, 65-69, ASSOC. PROF, 69-Psychol. Asn; Personnel & Guid. Asn. Ecological orientations; stability and change in human characteristics; behavior al assessment and modification in counseling; validity of self-report under differential conditions. Publ: Co-auth, Strategies in counseling for behavior change, 70 & Behavior change in counseling: readings and cases, 70, Appleton; auth, Self-report under socially undesirable and distortion conditions, J. Counseling Psychol, 3/6,69. Address: Dept. of Psychology, Ohio State University 1945 N. High St, Columbus, Ohio 43210.
- WALSHE, DR. A. PETER, b. Johannesburg, South Africa, Jan. 12, 34; m. 57; c. 4. POLITICAL SCIENCE, ECONOMICS. B. A. Oxford, 56, M. A., 59, D. Phil. [polit. sci), 68. Lectr. econ, Univ. Col. Pius XII, Basubland, 59-62; asst. prof, NOTRE DAME, 62-63, ECON. & GOVT, 67-69, ASSOC. PROF, 70- African Studies Asn. Rise of African nationalism in Southern Africa; comparative race relations, especially in Southern Africa, Caribbean and the United States. Publ: The rise of African Nationalism in South Africa, C. Hurst, London, 70; The Changing content of apartheid, Rev. Polit. 7/63; The

- origins of African political consciousness in South Africa, J. Mod. African Studies, 12/69. Address: African Studies Program, University of Notre Dame, Notre Dame, Ind. 46556.
- WALTER, DR. E(UGENE) V(ICTOR), b. New York, N.Y., Mar. 16, 25; m; c. 5. SOCIOLOGY. B.A., Miami (Fla), 47; M.A., Duke, 49; Ph.D. (polit. sci), Minnesota, 53. Instr. govt, Miami (Fla), 50-51; soc. sci, Minnesota, 51-53; chmn. dept. polit. sci, Wiis. State Col, 53-54; asst. prof. polit. sci, Ohio Wesleyan, 54-55, assoc. prof. 55-57; Rockefeller fel. legal & polit. philos, 57-58; assoc. prof. polit. Brandels, 58-61, sociol, 61-64; prof. sociol. & chmn. dept. soc. rels, Massachusetts, 65-67; prof. polit. sci. & sociol, Boston, 67-69; LECTR. SOCIOL, DEPT. PSYCHIAT, MED. SCH, HARVARD, 69-U.S.N, 43-46. Fel. Sociol. Asri, Anthrop. Asn. Political sociology and theory; sociological theory; political sociology and anthropology; urban sociology. Publ: Co-audit, Power and civilization, Crowell, 62 & The critical spirit: essays in honor of Herbert Marcuse, Beacon, 67; auth, Terror and resistance: a study of political violence, Oxford Univ, 69. Address: Lab. of Community Psychiatry, Harvard Medical School, 58 Fenwood Rd, Boston, Mass. 02115.
- WALTER, DR. JOHN T(HOMAS). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Economist, bur. planning & mkt, U.S. P.O. Dept, 69-Address: 601 Creek Crossing Rd, N.E. Vienna, Va. 22180.
- WALTER, DR. KENNETH WILLIAM. Business Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 17 Glenavy Ave, Toronto 315. Ont. Can.
- WALTERS. DR. CHARLES G, b. Americus, Ga, Apr. 20, 29; m. 52; c. 4. MARKETING. B.S, Auburn, 55, M.S, 57; Ph.D.(bus), Illinois, 63. Asst. prof. MKT, LA. STATE, BATON ROUGE, 61-66, ASSOC. PROF, 66-Nat. Asn. Purchasing Agents (el, 64; La. State Univ. Found. res. grants, 69-70. U.S.N, 48-52. Mkt. Asn. Marketing theory; consumer behavior; marketing channels. Publ: Co-auth, Consumer behavior: an integrated approach, irwin, 70; Credit record: information tool on planning, fall 66 & Appraising retailers use of the polygraph, winter 68, J. Retailing. Address: 919 Rodney Dr, Baton Rouge, La. 70908.
- WALTERS, DR. ERNEST J, JR, b. Pine Bluff, Ark, Oct. 27, 27; m. 57; c. 1. POLITICAL SCIENCE. B.S., La.State, 59; M.A. Chicago, 58, Danforth grant, 65-67, Ph.D. (polit. sci), 68. Fleid rep., U.S. Civil Serv. Cm., 52-54 & 56-62; asst. prof. POLIT. SCI, FURMAN, 62-69, ASSOC. PROF, 69- U.S.A, 46-47. Polit. Sci. Asn. Classical political theory; the emergence of behavioral social science from moral philosophy; the political and ethical basis of twentieth-century liberalism. Address: 26 Swanson Court, Greenville, S.C. 28609.
- WALTERS, PROF. J. HART, JR, b. San Jose, Calif, Nov. 30, 25; m. 48; c. 3. ECONOMICS, MARKETING. A. B. Califormia, 48, M.A. 54; Ford Found, fel, Pennsylvania, 56-58, Ph.D. (econ, mkl.), 58. Asst. mkt, Illinois, 55-54; instr. Pennsylvania, 54-58; asst. prof. Cornell, 58-63; assoc. prof. bus. admin, George Washington, 63-68; PROF. MKT, TEMPLE, 68- Ford Found faculty res. fel, 61-62; prin. investr, Libr. Manpower Res. Study, 67-70; summer, S. C. Johnson & Son grant, 59. U.S.A. A. F. 43-46. Mkt. Asn. Econ. Asn. Comparative marketing systems; attitudinal research. Publ: Structured or unstructured interviews, 4/60 & Retailing in Poland: a first hand report, 4/64, J. Mkt; Discrepancy of assortment, Temple Univ. Econ. & Bus. Bull, winter 68. Address: Dept. of Marketing, Temple University School of Business Administration, Philadelphia, Pa. 19122.
- WALTERS, DR. JOAN GILBERT, b. Providence, R.I., Aug. 5, 24; m. 56; c. 5. ECONOMICS. A. B. Harvard, 46, M.A., 48, Ph.D. (econ), 51. Econ. res. asst, grad. sch. bus. admin, Harvard, 48-50; economist, int. finance duy. Bd. Gov, Fed. Reserve Syst, 52-54; security analyst, investment adv. dept, First Nat. City Bank, New York, N.Y., 54-57; instr. ECON. FAIRFIELD, 63-65. asst. prof, 65-70, ASSOC. PROP, 70- Pairfield Univ. Res. Coun. grant, bank & regional develop, 68-89, congenerics, 69-70. Consult, Choice, Asn. Col. & Res. Librs, 65- AAAS; Econ. Asn. Finance Asn. Money; banking, particularly nature and development of congenerics; international trade. Publ: Education first-then contraception, Science, 9/69 & Is the one-bank holding company doomed?, Appalachian Financial Rev, 70. Address: 9 Holmes Court, Darien, Conn. 06820.
- WALTON, DR. DAN WELLS. Mammalogy, Anatomy. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- WALTON, DR. JOHN T, b. Los Angeles, Calif, Sept. 22, 37; m. 66. SOCIOL-OGY. B. A. San Fernando Valley State Coi, 60, M. A., 62; California, Los Angeles, 62-63. Berkeley, 63-64, Ph.D. (sociol), Santa Barbara, 66. ASST. PROF. SOCIOL, NORTHWESTERN, 66-, res. grant, coun. intersocietal studies, 67-69. Sociol. Asn; Soc. Study Soc. Probs: Polit. Sci. Asn. Political sociology; methods of social research; developing nations. Publ: Current status of research on community power structure, 1/66 & Development decision making, 3/70, Am. J. Sociol; A note on the sociology of knowledge, Am. Sociol, Rev. 10/66. Address: Dept. of Sociology, Northwestern University, Evanston, Ill. 60201.
- WALZ, DR. GEORGE BURNETT, b. Washington, D.C. Dec. 4, 39; m. 69. EX-PERIMENTAL PSYCHOLOGY. B.S. Pa. State, 62; Kingsley fel, Lehigh, 63-65, M.S., 66, Ph.D. (ipsychol), 69. Psychologist & res. asst, psychologist & res. asst, psychologist experiments, 67-69; ASST. PROF. PSYCHOL, INDIANA UNIV. PA, 69. Aversive control of behavior; decision-making; chemical transfer of learning; early experience. Publ: Co-auth, Selective attention in imprinting, 67 & Effect of UCS intensity on learning and performance in instrumental aversive conditioning, 68, Psychonomic Sci; Unreliable data reports in probabilistic information processing, J. Exp. Psychol, (in prep). Address: Dept. of Psychology, Indiana University of Pennsylvania, Indiana, Pa. 15701.
- WANDEL, DR. WILLIAM H(AMLIN). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. ins. risk, 68-, Temple University, Speakman Hall, Philadelphia, Pa. 1912.

- WANDERER, DR. ZEV W(ILLIAM). Clinical & Experimental Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 8712 Wilshire Blvd, Beverly Hills, Calif. 90211.
- WANG, PROF. GEORGE CHING YUAN. Chinese Culture. See 5th ed, Dir. Am. Scholars, Vol. 1, Hist.
- WANG, DR. PETER C. Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Vis. asst. prof, 69-, Dept. of Statistics, Stanford University, 123 Sequoia Hall, Palo Alto, Calil. 94305.
- WARBERG, DR. CARLA MARIE, b. Denver, Colo, Dec. 14, 43. ECONOMICS. B.A. Colorado, 65; univ. fel. & M.A. Wisconsin, 68; Stonier fel. & Ph.D. (monetary econ), 70. FINANCIAL ECONOMIST, FED. RESERVE BANK DALLAS, 69. Econ. Asn. Monetary theory and policy; international monetary issues. Address: Federal Reserve Bank of Dallas, Dallas, 72. 75222.
- WARD, DR. ALAN J(OSEPH), b. London, Eng, Nov. 26, 37; m. 59; c. 2. PO-LITICAL SCIENCE, INTERNATIONAL POLITICS. B.Sc, London, 58, Ph.D. (int. polit), 67; M.A. Connecticut, 60, Brit. Asn. for Am. Studies fel, 51-62. Lectr. polit, Adelaide, 63-67; asst. prof. GOVT, COL. WILLIAM & MARY, 67-69, ASSOC. PROF, 69 - Polit. Sci. Asn. Anglo-American relations; United States ethnic group history and politics; Irish government; theory of national self-determination. Publ: Auth, Ireland and Anglo-American relations, 1899-1921, Univ. Toronto, 69; Frewen's Anglo-American campaign for Federalism, 1910-1921, 67 & America and the Irish problem, 68, Irish Hist. Studies. Address: Dept. of Government, College of William & Mary, Williamsburg, Va. 23185.
- WARD, DR. (FREDERICK) CHAMPION. Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- WARD, PROF. EDWARD H(AZELBERG). Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Agricultural Development Council, Inc, 630 Fitth Ave, New York, N.Y. 10020.
- WARD, DR. HORACE SINGLETON, JR, b. Garanhuns, Brazil, Mar. 30, 39; U.S. citizen; m. 57; c. 1. COUNSELING PSYCHOLOGY. B.A, Cedarville Col. & B.S.Ed, Central State, 61; Nat. Defense Ed. Act fel. & M.A, Ohio State, 66, Ph.D. (counseling), 69. Instr., pub. schs, Ohio, 61-64; psychol, Ambassador Bible Inst, 65-66; soc. sci., Lee Col. (Tenn), 66-67; res. assoc. psychol, col. med, Ohio State, 67-68; asst. prof, LEE COL. (TENN), 68-69, DEAN STUDENTS, 69- Res. consult, Ohio State Univ. Res. Found, 68-69, Personnel & Guid. Asn; Asn. Measurement & Eval. Guid. Problems and interest of adolescents; factors related to choice of medical occupations. Publ: The generation gap: a diagnosis more deadly than the disease, Campus Call, 5,69; co-auth, Factors related to the choice of health professions, Personnel & Guid. J, (in press). Address: Lee College, Cleveland, Tenn. 37311.
- WARD, DR. INGEBORG L. Physiological Psychology. See Suppl V to 11th ed, Phys. & Biol. Vols.
- WARD, PROF. NORMAN. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Correction in address: Dept. of Economics & Political Science, University of Saskatchewan, Saskatoon, Sask, Can.
- WARD, DR. O(TIS) BYRON, JR, b. Richmond, Va, Sept. 19, 37; m. 63; c. 2. EXPERIMENTAL PSYCHOLOGY. B. A. Duke, 58; M. A. Richmond, 61; Ph. D. (psychol), Tulane, 68. Res. asst. physiol. psychol, sch. med, Tulane, 63-66, res. assoc, 66; ASST. PROF. EXP. PSYCHOL, VILLANOVA, 66- Brain stimulation and recording techniques as related to primary motivational states; animal learning. Publ: Co-auth, Magnesium pemoline: effect on food reinforced discrimination performance in rats, Psychonomic Sci, 11/68, Effects of prior exercise on approach and avoidance acquisition, Perceptual & Motor Skills, 12/68 & Subcortical brain activity during copulation in the male rat, Proc. Am. Psychol. Asn. Convention, 70. Address: Dept. of Psychology, Villanova University, Villanova, Pa. 19085.
- WARD, DR. RICHARD J(OSEPH). Economics. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Mgr, Peat, Marwick, Mitchell, Inc, 69- New publ: Essays on positive economics, Fordham Univ, 71. Address: 10309 Garden Way, Potomac, Md. 20854.
- WARDE, DR. JOHN MAXWELL. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Correction: Asst. to v.pres, 64-, Mining & Metals Division, Union Carbide Ore Co., 270 Park Ave, New York, N.Y. 1001.
- WARE, DR. EDWARD E(RNEST). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, Dept. of Psychology, University of Waterloo, Waterloo, Ont, Can.
- WARE, RICHARD A(NDERSON). Political Science, Public Administration. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: On leave from Relm Found. as prin. dep. asst. secy. defense for int. security affairs, Dept. of Defense, 69 Address: Relm Foundation, 904 First National Bldg, Ann Arbor, Mich. 48108.
- WARGO, DR. DONALD GEORGE. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Res. clin. psychologist, 69-. Children's Asthma Research Institute & Hospital, 3401 W. 19th Ave, Denver, Colo. 80204.
- WARING, JOHN A(LFRED). History of Science & Technology. See 5th ed, Dir. Am. Scholars, Vol. 1, Hist.
- WARK, DR. DAVID MAYER, b. Los Angeles, Calif, Aug. 8, 34; m. 57; c. 2. PSYCHOLOGY. B.A, Pomona Col, 56; Ph.D.(bsychol), Minnesota, 61. Asst. prof. PSYCHOL, MINNESOTA, MINNEAPOLIS, 63-67, ASSCC. PROF. 67-Med.Serv.C, U.S.A, 61-63, Capt. Psychol. Asss. Study skills; counseling; applications of behavior technology to adult reading problems. Publ: Co-

auth, Systems for study & auth, Read, underline, review, McGraw, 70. Address: Student Counseling Bureau, University of Minnesota, Minneapolis, Minn. 55455.

WARKENTIN, PROF. JOHN H(ENRY). Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Geography, York University, Downsview, Ont, Can.

WARKOV, PROF. SEYMOUR. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. 69-, Dept. of Sociology, University of Connecticut, Storrs, Conn. 06268.

WARLEY, PROF. T. K, b. Driffield, Eng, Aug. 19, 30; m. 55; c. 2. AGRICUL-TURAL ECONOMICS. B Sc, Nottingham, 53, M.Sc, 56. Res. asst. AGR. ECON, Nottingham, 53-56, asst. lectr, 56-59, lectr, 59-67, reader, 67-69; PROF, GUELPH, 70-, vis. prof, Guelph, 69. Consult, European Econ. Community Cmn, 61-62; Ministry of Agr, U.K, 67-69. Mem. panel on cooperatives, Ministry of Overseas Develop, 68-69; adv. coun, Centre Int. Coop. Training, U.K, 68-69; adv. panel of economists, Meat & Livestock Cmn, 68-69. Brit. Army, 48-50, 5gt. Am. Agr. Econ. Asr., Can. Agr. Econ. So; Brit. Econ. Soc. Problems of national and international agricultural policy, particularly in western Europe. Publ. Agriculture: the cost of joining the common market, Royal Inst. Int. Affairs, 67; ad, Agricultural producers and their markets, Blackwell, 67; auth, Chap, In: The economic integration of European agriculture, Neidenfell & Nicholson, 69. Address: Ontario Agriculture College, University of Guelph, Guelph, Ont, Can.

WARM, DR. JOEL S, Experimental Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

WARNE, PROF. CLINTON L(EE). Economics. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also acting chmm, 68-, Dept. of Economics, Cleveland State University, 13 F, 2344 Euclid St, Cleveland, Ohio 44115.

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WARNECKE, DR. STEVEN M, b. Mar. 31, 39; U.S. citizen. POLITICAL SCI-ENCE. A.B, Columbia, 60, fel, 62-64, Ph.D. freform co-determination German Civil Serv), 67. Res. assoc. polit, dept. pub. law & govt, Columbia, 67-68; ASST. PROF. POLIT, RICHMOND COL, 68-; DIR. SEMINAR EURO-PEAN COMMON MARKET STUDIES, CITY UNIV. NEW YORK, 69- Grants, Chancellor's Fund, City Univ. New York, 69; Ford Found. & Cmn. European Econ. Community, 70-71. Polit. Sci. Asn. German politics; constitutionalism; political culture; European political and economic integration; political theory. Publ: The NPD and the future of rightest extremism, Comp. Polit, 70, Student politics: a cultural-pedagogical view, Yale Rev, 70; Models for the future of Western and Eastern Europe, Studies for New Cent. Europe, 70. Address: Dept. of Politics, Richmond College, 130 Stuyvesant Place, Staten Island, N.Y. 10301.

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WARNER, PROF. DANIEL S, b. Dallas, Tex, July 10, 07; m. 39; c. 3. MASS COMMUNICATIONS. A.B, Michigan, 28; M.S, Oregon, 58. Assoc. prof. COMMUN, WASHINGTON (SEATTLE), 54-62, PROF, 62. Asn. Ed. in Journalism; Mkt. Asn, fel. Acad. Advert, Ores, 62). Advertising; marketing. Publ: Co-auth, Advertising, 62, Speaking of advertising, 63 & auth, Marketing and distribution: an overview, 69, McGraw. Address: 1810 Plaza 600, Seattle, Wash. 98101.

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WARNER, DR. W(ILLIAM) S(COTT). Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 2228 Chatfield Dr, Cleveland, Ohio 44106.

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WARREN, DR. DAVID H(ARDY), b. Chelsea, Mass, July 28, 43; m. 67. PSY-CHOLOGY, B.A, Yale, 65; Nat. Inst. Ment. Health traineeship, Minnesota, 65-69, Ph.D. (child develop), 69. ASST. PROF. PSYCHOL, CALIFORNIA, RIVERSIDE, 69- Perception and perceptual development, especially the development of intersensory organization in humans. Publ: Co-auth, Sensory conflict in judgments of spatial direction, Perception & Psychophys. J, 69; auth, Intermodality interaction in spatial localization, Cognitive Psychol, J, 70. Address: Dept. of Psychology, University of California, Riverside, Calif. 92502.

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WARREN, DR. RUSSELL GLEN, b. Baltimore, Md, Apr. 29, 42. ECONOMICS. B.S.B.A, Richmond, 64; Ph.D.(econ), Tulane, 68. Instr. ECON. Tulane, 65-66; RICHMOND, 66-68, SSST. PROF. 68- Part-time Instr. Indiana Bullanapolis, 69-70; Instr. U.S. Army Finance Sch., 69-71. Finance C, U.S.A. 17, Capt. Econ. Asn. Government regulation of business; macroeconomics;

international trade. Publ: Economics of closed-territory distribution, Antitrust Law & Econ. Rev, winter 68-69. Address: Dept. of Economics, University of Richmond, Richmond, Va. 23173.

WARREN, DR. WILLIAM HERBERT, b. Newport News, Va, July 21, 24; m. 48; c. 5. INDUSTRIAL PSYCHOLOGY, BUSINESS ADMINISTRATION. B.S. Richmond, 48; M.S. Purdue, 50, Ph.D. (indust. ed.), 70. Asst, pro1 mgt, Richmond, 50-54; dir. indust. rels, paper mfg. div, Ethyl Corp, 54-64, prod. mgr. corrugated container div, 64-66; ASSOC. PROP. TECH, PURDUE, 66- Consult, Buehler Corp, Ind, 66- U.S.N, 43-46, Res, 50-55, Lt. Psychol. Asn. Organization development; motivation; attitude measurement; market research; psychological testing; labor relations; educational technology. Publ: A study of computer use in medium sized manufacturing concerns, Off. Manpower Studies, Purdue Univ, 68. Address: 625 Cumberland Ave. West Lafayette, Ind. 47906.

WARSHAY, DR. LEON H(AROLD). Sociology. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position: Assoc. prof. sociol, Wayne State. 69- Address: 18694 Oak Dr., Detroit, Mich. 48221.

WASHBURN, RICHARD IRVIN. Forest Entomology. See Suppl. V to 11th ed, Phys. & Biol. Vols.

WASHBURN, PROF. R(OGER) D(AVENPORT). Business Administration. Sec L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Part-time instr. advert, Chamberlayne Jr. Col, 65- Address: 26 Hemenway St. Apt. 40. Boston, Mass. 02115.

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WASOWSKI, DR. STANISLAW, b. Radomsko, Poland, May 9, 23: m. 52: c. 3. ECONOMICS. B.A, Paris, 49; B.Sc, London Sch. Econ, 51. Ph.D.(int. econ.) 55. Reporter, Mid-European Res. Center, Paris, 51-53: prog. asst. Brit. Broadcasting Corp, Eng. 53-55; ed. Radio Free Europe, Munich, West Germany, 55-57; asst. prof. econ, Duquesne, 67-59: from asst. prof. to assoc. prof, Georgetown, 59-65; MEM. RES. STAFF INT. ECON. INST. DEFENSE ANAL, 64- Polish Armed Forces, 41-46. Econ. Asn. Economic theory; theory of international monetary problems. Publ. Co-auth & ed. East-West trade; international monetary problems. Publ. Co-auth & ed. East-West trade and the technology gap, 70 & auth, The trend toward economic integration, in: NATO in quest of cohesion, 65, Praeger; The fuel situation in eastern Europe, Soviet Studies, 6/69. Address: 1603 Holly Court, McLean. Va. 22101.

WASS, DR. DONALD LEO, b. Columbus, Nebr., July 29, 32; m. 55; c. 4. IN-DUSTRIAL PSYCHOLOGY. B.A. Western Michigan, 58, M.A. 59; Ph.D. (indust, psychol), Purdue, 62. Chief eval. sect, Enlisted Eval. Center, U.S. Army, 62, res. dir., 63-65; mgr. personnel res. TEX. INSTRUMENTS, DAL-LAS, 65-66; MGR. PERSONNEL RES. TRAINING & DEVELOP, 66- Meritorious Civilian Serv. award, 65. U.S.A.F., 51-55, S/Sgt. Psychol. Asn. Motivation; management by objectives; attitude assessment; psychological evaluation; turnover reduction; job enrichment; communications; team development and personnel research. Publ: Teams of Texans learn to save millions, Training in Bus. & Indust, 11/67; co-auth, Promoting goal seeking behavior in managers, In: Part II, Managing for accomplishment, Heath Lexington, 70. Address: 923 Creekdale, Richardson, Tex. 75080.

WASSERMAN, DR. GERALD STEWARD, b. Brooklyn, N.Y. Nov. 22, 37; m. 62: c. 2. PSYCHOLOGY, NEUROPHYSIOLOGY. B.A, N.Y. Univ, 60; Nat. Insts. Health fel, Mass. Inst. Tech, 63-65, Ph.D.(psychol), 65. Res. asst, psychol. Bellevue Med. Center, N.Y. Univ, 59-61, West Haven Vet. Admin. Hosp. 61. Mass. Inst. Tech, 61-62, teaching asst, 62-63; fel, ophthalmol. br, Nat. Inst. Neurol. Diseases & Blindbess, 65-67, ASST. PROF. PSYCHOL. WISCONSIN. MADISON, 67- Prin. investr, Nat. Sci. Found. res. grant, 69- AAAS. Optical Soc. Am; Psychol. Asn. Color vision; psychophysics; electrophysiology; neuropsychology; theories of color vision; small nervous systems; single cell recording. Publ. Brightness enhancement and opponent colors theory. 66 & Limulus receptor action spectra, 69, Vision Res; Heterochromatic additivity failure, Psychol. Rev, 69. Address: Dept. of Psychology, University of Wisconsin, Madison, Wis. 53706.

WASSINK, DR. DARWIN, b. Edgerton, Minn, Oct. 3, 34; m. 63; c. 2. ECO-NOMICS. B.A, Minnesota, 62; M.A, Stanford, 65, Ph.D. (econ), 68. ASST. PROF. ECON, IOWA, 67 - U.S.A.F, 55-58, Res, 60-67, Capt. Econ. Asn. Study of relationships between government policy and economic growth and development, especially interregional impacts. Address: Dept. of Economics, University of Iowa, Iowa City, Iowa 52240.

WASSON, PROF. CHESTER R(EYNOLDS). Marketing. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1100 Geneva Rd, 31 B, St. Charles, III. 60174.

WASSON, PROF. WOODROW W(ILSON), b. Cottontown, Tenn, June 6, 16; m. 44; SOCIOLOGY, HISTORY OF RELIGION. A.B., Vanderbitt, 39, A.M., 40; B.D., Chicago, 42, fel, 44-45, Ph.D.(sociol, hist. relig), 47; M.L.S., George Peabody Col, 67. Prof. soc. sci, Okta. State Col, 47-48; Bouston, 46-49; prof. sociol. & relig. & dean Christian Col, Georgia, 49-56; prof. hist. & sociol. relig. Vanderbitt, 56-57; archivist & dir. res. Disciples of Christ Hist. Soc, 59-64; archivist & curator, Vanderbitt Univ. & Joint Univs. Libraries, Nashville, Tenn, 64-59; PROF. SOCIOL, MIDDLE TENN. STATE, 69- Fel, Oxford, 57-58. Soc. Sci. Study Relig; Sociol. Asn; Acad. Polit. & Soc. Sci. Sociology and history of religion, deviant behavior; marriage and the family. Publ: James A. Garfield—a study in the interrelationship or religion and politics, Tenn. Book Co, 52; co-ed, Christian. Evangelip if network of the controversy, Mid-Stream, 64. Address: 1900 Randolph Place, Nashville, Tenn. 37215.

- WATERHOUSE, DR. WARREN CLAYTON. Business Administration, Management. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position: Chmn, 68-, Dept. of Management, Bowling Green State University, Bowling Green, Ohio 43402.
- WATERMAN, DR. ANTHONY MICHAEL CHARLES, b. Southampton, Eng. June 4, 31; Can. citizen; m. 55; c. 4. ECONOMICS, ECONOMIC HISTORY, B.A., Cambridge, 54, M.A., 58; B.Th. Manitoba, 62; Scholar, Australian Nat. Univ, 64-67, Ph.D. (econ), 68. Auditor, Fred Page Higgins & Co, Toronto, 54-56; econ. analyst chem. div, Can. Indust, Ltd, Montreal, 56-69; lectr. econ. & polit. sci, St. John's Col. (Man), 59-62, asst. prof. ECON, 62-64; ASSOC. PROF, MANITOBA, 67- Brit. Army, 50-51, Lt. Can. Econ. Asn. Theory of economic policy in open economies; theory of growth and fluctuations in open economies; international monetary and exchange rates theory. Publ; Economic fluctuations in Australia, Australian Nat. Univ, 70; Some footnotes to the swan diagram: or how dependent is a dependent economy?, Econ. Record, 9/66; The timing of economic fluctuations in Australia: January 1948 to December 1964, Australian Econ. Papers, 6/67. Address: Dept. of Economics, St. John's College, Winnipeg 19, Man, Can.
- WATERMAN, DR. HARVEY, b. Chicago, Ill, Sept. 2, 39; m. 65; c. 1. POLITICAL SCIENCE. A.B., Southern California, 61; Wilson Iet. & A.M., Chicago, 63, Ph.D.(polit. sci), 69. Res. assoc, center int. studies, Princeton, 64-65; ASST. PROF. POLIT. SCI, DOUGLASS COL, RUTGERS, 66. Polit. Sci. Ass., Sociol. Ass., int. Polit. Sci. Ass., Political style and sociology of industrialized societies; political mobilization of cultural minorities; empirical demoratic theory. Western Europe. Publ: Political change in contemporary France, Merrill, 69. Address: Dept. of Political Science, Douglass College of Rutgers, The State University, New Brunswick, N.J. 68903.
- WATERS, DR. MAURICE. Political Science, International Relations. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New position: Prof, Wayne State. New publ. Contrib. & ed, The Caribbean and Latin America: a symposium, 69, Univ. West Indies. Address: Dept. of Political Science, Wayne State University, Detroit, Mach. 48202.
- WATERS, DR. THOMAS J(OSEPH), b. Philadelphia, Pa, Feb. 12, 31. PSY-CHOLOGY. B.A, La Salle Col, 52; M.A, Fordham, 54; Ph.D.(psychol), Missouri, 62. Asst, Training Sch, Vineland, N.J, 54; psychol. intern, Vet. Admin. Hosp, Jefferson Barracks, Mo, 56; psychologist, Fulton State Hosp, 56-62; Pt. Logan Ment. Health Clin, Colo, 62-65; Clatsop County Ment. Health Clin, Ore, 65-68, dir, 68-69; CHIEF PSYCHOLOGIST, CLACKAMAS COUNTY MENT. HEALTH CLIN, OREGON CITY, 69- Consult, Tillamock County Ment. Health Clin, 66- Schlzophrenia; self concept. Address: 3836 S.W. Hewett, Portland, Ore, 97221.
- WATERS, DR. WILLIAM F. b. Dayton, Ohio, Apr. 25, 43; m. 67; c. 1. PSY-CHOLOCY. B.A. Tulane, 64; M.S. Western Reserve, 66; Ph.D. (psychol), Case Western Reserve, 69. ASST. PROF. MED. PSYCHOL, SCH. MED. MISSOURI, COLUMBIA, 68-, CLIN. PSYCHOLOGIST, MID. MO. MENT. HEALTH CENTER, 69- Consult, Woodhaven Christian Children's Home, 68, exten. div, Univ. Mo., 68; prinl. adv. bd, Mo. Asn. Ment. Health, 68-Psychol. Asn. Human defensive behavior and sympathetic recovery; human reinforcement hierarchies; sympathetic habituation in desensitization therapies; behavior modification research; human conditioned emotional responses. Address: Dept. of Psychiatry, University of Missouri School of Medicine, Columbia, Mo. 65201.
- WATERSTON, ALBERT. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Lectr. econ. develop. inst, World Bank, 68-Address: 7117 Braeburn Place, Bethesda, Md. 20034.
- WATKINS, PROF. CALVERT (WARD). Linguistics. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.
- WATKINS, DR. DWIGHT G, b. Cincinnati, Ohio, Sept. 4, 23; m. 49. PSY-CHOLOGY, GEOGRAPHY. B.A, Cincinnati, 49, M.A, 50; D. Ed. (testing), 66. Dir. guid. & testing, Southwest Local Dist, 59-63; guest lectr. ed. psychol, Cincinnati, 64-65; asst. prof. ed. psychol, testing & interviewing, Wis. State-Oshkosh, 66-69; ASSOC. PROF. ED. FOUNDS. & TESTING, YOUNGSTOWN STATE, 69-Lectr. inserv. training, Winnebago State Hosp, Oshkosh, Wis, 68 & Woodside Receiving Hosp, Youngstown, Ohio, 69-70. Consult, Hamilton County Pub. Schs, 64-65; Consolidated Ed. Serv. Area, 67-68. U.S.A.A.F, 43-46. Psychol. Asn. Personnel & Guid. Asn. Geog. Asn. Testing in regard to learning, behaviorial change and academic aptitude; impact of population density on behaviorial activity. Address: Dept. of Educational Foundations, Youngstown State University, Youngstown, Ohio 44512.
- WATKINS, DR. MARSHALL OWEN. Public Administration, Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, Univ. Florida, dir. exten, Univ. Ghana, 69- Address: University of Ghana, P.O. Box 68, Legon, Accra Ghana, Africa.
- WATKINS, DR. RALPH J(AMES). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Team leader, state investment planning proj. Ford Found. & sr. consult, Indian Planning Cmn, 69-Address: 7 Ratendone Rd, New Delhi 11, India.
- WATKINS, DR. RICHARD W(ALKER). Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. lab. dir. progs, 69-, Far West Lab. for Educational Research & Development, 1 Garden Circle, Hotel Claremont, Berkeley, Calif. 94705.
- WATSON, PROF. BILLY, b. Dallas, Tex, Sept. 26, 22; m. 45; c. 2. ORGANIZATIONAL BEHAVIOR. B.B.A., Texas, 47; M.B.A., Southern Methodist, 61; D.B.A., Colorado, 61-61st, mgt, Colorado, 61-63; asst. prof. orgn. behav, Arizona State, 63-65; assoc. prof. policy & admin, SOUTHERN METHODIST, 65-68, PROF. ORGN. BEHAV. & POLICY & ASSOC. DEAN SCH. BUS, 68-U.S.N. 41-45, Lt. (ig). Acad. Mgt; Econ. Asn. Conflict resolution in organization development; policy and administration. Publ: Co-auth. Simplified statistics, Pruitt, 63 & Contemporary American business, South-

- ern Methodist Univ, 68. Address; School of Business Administration, Southern Methodist University, Dallas, Tex. 75222.
- WATSON, DR. DAVID LOCKE, b. Nashville, Tenn, Jan. 1, 34; m. 57; c. 1. PSYCHOLOGY. B. A. Vanderbilt, 58; M.S. Yale, 61, Ph.D. (psychol), 63. Assl. prof. PSYCHOL, Toronto, 63-66, assoc. prof. 66-67; Pubright leter, Pierce Col, Athens, 67-68; ASSOC. PROF. HAWAII, 68- Consult, Ont. Hosps, 63-66. U.S. A, 53-56. Psychol. Aan. Human anxiety; personality measurement; interaction of cognitive and social variables to affect personality. Publ; Co-auth, Anxiety and the interruption of behavior. In: Anxiety and behavior, Acad. Press, 66 & Measurement of social-evaluative anxiety, J. Clin. & Consult. Psychol., 33: 448-457; auth. Neuroticism, Introversion, rigidity and dogmatism, In: Readings in introversion-extraversion, McGibbon, London, 70. Address: Dept. of Psychology, University of Hawaii, Honolulu, Hawaii 96822.
- WATSON, PROF. DONALD ARDEL. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Bureau of Business & Economic Research, University of Oregon, Eugene, Ore. 97403.
- WATSON, PROF. GOODWIN. Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. dir, union exp. cols, 69-170 Lisa Lane, Yellow Springs, Ohio 45387.
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- WATSON, DR. JOHN E(RNEST). Physiology, Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- WATSON, DR. NELSON A(ZER). Social Psychology, Criminology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. prfnl standards div, int. asn. chiefs police, 69- Address: 3326 Longbranch Dr, Falls Church, Va. 22041.
- WATSON, DR. RICHARD ALLAN. Philosophy, Human Ecology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- WATSON, DR. VIRGINIA. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 9010 N. Mercer Way, Mercer Island, Wash.
- WATSON, WALTER S(AMUEL). Applied Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New Information: Retired, 70. Address: 169 Walmut Ave, Bogota, N.J. 07603.
- WATSON, PROF. WILLIAM. Social Anthropology, Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. & chmn, 69-, Dept. of Sociology, University of Oklahoma, 455 W. Lindsay, Room 521, Norman, Okla. 73069.
- WATSON, DR. WILLIAM BRAASCH. Modern & Medieval History. See 5th ed, Dir. Am. Scholars, Addenda, Vol. I, Hist.
- WATT, DR. JOHN ROBERTSON. Contemporary & East Asian History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.
- WATTENBERG, PROF. WILLIAM W(OLFF). Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also acting chmn. dept. ed. psychol, Wayne State. Address: 20220 Murray Hill, Detroit, Mich. 48235.
- WATTS, DR. VERVON ORVAL. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 600 Hillcrest Ave, Pasadena, Calif. 91103.
- WAUGH, DR. NANCY C(OLLIER). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Prin. assoc, Harvard Med. Sch, 69-; assoc. psychologist, Mass. Gen. Hosp, 69- Address: Psychiatry Research, Massachusetts General Hospital, Boston, Mass. 02114.
- WEAR, DR. JAMES OTTO. Physical Chemistry, Biophysics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- WEARDEN, PROF. STANLEY. Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 69-, Dept. of Statistics & Computer Science, West Virginia University, Morgantown, W.Va. 26505.
- WEATHERBEE, DR. DONALD E, b. Portland, Maine, June 21, 32; m. 54; c. 5. INTERNATIONAL RELATIONS, POLITICAL SCIENCE. A. B. Bates Co., 54; M. A., Hogkins, 56, Ford Found. For. Area fel, 62; 64, Ph.D. (int. rels), 68. Spec. lectr. int. rels, 68. Ago. 20; Akarta, 57-61; asst. prof. INT. STUDIES, SOUTH CARGOLINA, 64-68, ASSOC. PROF, 68. Summer vis. prof. Rhode Island, 66; Free Univ. Berlin, 69. Consult, S. C. State Dept. Ed, 67-68; mem, Southeast Asia Develop, Adv. Group. Am. Polit Sci. Asn; Asn. Asian Studies; Int. Studies Asn; Netherlands Royal Inst. Ling. & Anthrop. Asian political development and international relations; field work in Southeast Asia, particularly Indonesia and Taiwan. Publ. Ideology in Indonesia: Sukarno's Indonesian revolution, Yale Southeast Asia Prog. 66; contrib, Aspects of modern Communism, Univ. South Carolina, 69; auth, United front in Thailand: a documentary analysis, Inst. Int. Studies, 70. Address: Dept. of International Studies, University of South Carolina, Columbia, S. C. 29208.
- WEATHERBY, DR. JOSEPH NORMAN, JR. POLITICAL SCIENCE. B.A, Baylor, 58, M.A, 62; B.F.T, Am. Inst. For. Trade, 61; cert, Utah, 67 & 68, Ph.D. (politi, sci, geog), 68. Int. opers, int. div, Ford Motor Co, 62-64; ASST PROF, Bay de Noc Col, Mich, 64-65; Utah, 65-68; POLIT. SCI. & GEOG, CALIF. STATE POLYTECH. COL, SAN LUIS OBISPO, 68- Address: Dept. of Social Sciences, California State Polytechnic College, San Luis Obispo, Calif. 93401.

- WEAVER, DR. CHARLES NORRIS, b. Oct. 2, 37; U.S. citizen. MANAGE-MENT, MARKETING. B.B.A, Southern Methodist, 58, M.B.A, 59; Ph.D. (mgt, mkt), Texas, Austin, 67. Instr. bus, Pan Am. Col, 61-63; asst prof. MGT. & MKT, ST. MARY'S (TEX), 64-67, ASSOC. PROF. & CHMN. DEPT, 67-Consult, Mex. Am. Affairs Unit, U.S. Off. Ed, Dept. Health, Ed. & Welfare, 88-Organizational behavior. Publ. an empirical study to aid in the selection of retail sales clerks, J. Retailing, fall 69 & Accidents as a measure of the cultural adjustment of Mexican-Mericans, coil. Quart, Spring 70; co-auth, A comparison of the job performance of Mexican-Americans and Anglo-Americans, Calif. Mgt. Rev, summer 70. Address: Dept. of Marketing Management, St. Mary's University, 2700 Cincinnati Ave, San Antonio, Tex. 78228.
- WEAVER, DR. FREDERICK STIRTON, JR, b. Berkeley, Calif, Aug. 22, 39; m. 64; c. 1. ECONOMICS. B.A, California, Berkeley, 61; Washington (Sattle), 61-62; For. Area fel, Texas, 65-66; Ph.D. (econ), Cornell, 68. ASST. PROF. ECON, CALIFORNIA, SANTA CRUZ, 67- Econ. Asn; Latin Am. Studies Asn; Union Radical Polit. Econ. Economic history and development of the control of t
- WEAVER, DR. JAMES H. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Dept. of Economics, American University, Washington, D.C. 20016.
- WEAVER, DR. SALLY M(AE), b. Ft. Erie, Ont, Aug. 24, 40; m. 64. ANTHRO-POLOGY. B.A, Toronto, 63, M.A, 64, Ph.D. (cultural anthrop), 67. ASST. PROF. ANTHROP, WATERLOO, 65- Can. Coun. res. grant & Vanier Inst. Family grant, 68-69; summer stipend, Waterloo, 69. Anthrop. Asn; Ethnol. Soc; Soc. Appl. Anthrop; Soc. Ethnohist. Cultural anthropology, especially social and cultural change, medical acculturation, politics and voluntary associations among the froquois. Publ. Health, culture and dilemma: a study of the nonconservative froquois, Nat. Mus. Can, Ottawa, (in press), co-auth, Parallelism, homology and homoplasy in relation to homimid axonomy and the origin of home sapiens, Anthropologica, 6: 105-117. Address: Dept. of Sociology, University of Waterloo, Ont, Can.
- WEAVER, DR. THOMAS. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. anthrop. & dir. bur. of ethnic res, 68-, University of Arizona, Tucson, Ariz. & 5721.
- WEAVER, PROF. WENDELL WILLIAM. Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. ed. psychol, College of Education, University of Georgia, Athens, Ga. 30601.
- WEBB, DR. IAMES THURMAN, b. Memphis, Teun, Sept. 14, 39; m. 66; c. 2. PSYCHOLOGY. A. B. Southwestern at Memphis, 60; U.S. Pub. Health Serv, fel, Alabaman, Tuscaloosa, 61-64, Ph. D. (psychol), 67; Boston, 64. Instr. psycholo, I. Alabaman, 63, psychologist, 10, psychologist, 68; psychol. Intern. Worcester State Hosp, Mass. 63-64; psychol. res. technician, Vet. Admin. Hosp, Tuscaloosa, Ala, 66-67, psychol. trainee, 67, psychol. res. sesoc. 67-68; prog. coordinator, Roche Psychiat. Serv. Inst, Nutley, N.J. 68-70; ASST. PROF. OHIO UNIV, 70- Community consult, human rels. center, Boston Univ, 64; psychologist, consult, Muscle Shoals Ment. Health Center, Florence, Ala, 65-66 & 68. Psychol. Asn; Soc. Proj. Tech. & Personality Assessment; Int. Coun. Psychol; Soc. Gen. Systs. Res. Systems approaches in mental health to conserve professional time; automating diagnostic procedures; interview speech interactions; temporal orientation; personality assessment techniques. Publ; Co-auth, Validation of a computerized MMPI interpretation system, Proc. (Tht Annual Convention, Am. Psychol. Asn, Wash, D.C. 69; auth, Interview synchrony: an investigation of two speech rate measures in an automated standardized interview, In: Studies in dyadic communication: proceedings of a research conference on the interview, Pergamon, New York, 70; co-auth, Temporal orientation in diagnostic groups, J. Clin. Psychol, 70. Address: 158 N. Congress, Athens, Ohio 45701.
- WEBB, DR. JOAN L(IEBENHEIM). Psychiatry. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 424 S. Main, New Castle, Ind. 47362.
- WEBB, PROF. NEIL J(OHN). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Exec. v.pres, 67-, St. Norbert College, West de Pere, Wis. 54178.
- WEBB, DR. SAM C(LEMENT). Psychology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Dean div. grad. studies & res, Ga. Inst. Tech, 68- Address: 310 Chelsea Circle N.E, Atlanta, Ga. 30307.
- WEBER, MARVIN GLENN, b. Chicago, Ill, Sept. 9, 39; m. 64; c. 1. SOCIOL-OGY OF LAW. B.S. Bradley, 62; Nat. Inst. Ment. Health grant, Mich. State, 64–65; M.A. Eastern Michigan, 67. Psychiat. soc. worker, Dept. Ment. Health, Ill, 63–65; instr. sociol, Upper Iowa Univ, 66–67; asst. prof. sociol. & suprr. soc. work ed. Ashand Col., 67–69; head dept. sociol. & psychol. & chmn. soc. sci. div. Mt. Marty Col., 69–70. Inst. Nat. teaching fel, 69–70. Mem, house of del, Coun. Soc. Work Ed, 67–78; ural Sociol. Soc. 61–Asn. Criminol. Social psychology; the family; social problems; criminology. Publ: A study of contemporary Federal criminal codes affecting narcotic drug addiction in the United States, Eastern Michigan Univ, 67; col-auth, Criminogenie market forces: influences of automobile mamfacturers upon their dealers, Law & Soc. Rev. 2/70 & A Study of client discontinuance in the application process, Rocky Mt. Soc. Sci. Asn. J, 4/70. Address: 505 Linn St, Yankton, S.Dak. 57078.
- WECKESSER, PROF. ERNEST P. b. Akron, Ohio, Mar. 23, 33; m. 59; c. 4. COMMUNICATION, MASS COMMUNICATIONS. B.S., Bowling Green State, 55, M.A., 60; Ph.D. (mass commun), Mich. State, 63. Asst. prof. speech,

- State Univ. N.Y. Col. Oneonta, 61-62; COMMUN, Kent State, 62-63; assoc. prof, Purdue, Ft. Wayne, 63-70; PROF. & CHIMN. DEPT, MONTCLAIR STATE COL, 70- Developer, How to Study in Col. Prog, 65- Consult, Int. Harvester Co, 64-68. U.S.A.F., 55-59, Capt. Speech Asn. Am. Communication and study skills. Address: Dept. of Communications, Montclair State College, Upper Montclair, N.J. 07043.
- WECKWERTH, PROF. VERNON E(RVIN). Biostatistics, Hospital Administration. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- WEED, PROF. FREDERIC A(UGUSTUS). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also coordinator int. progs, 69-, Dept. of Political Science, San Jose State College, San Jose, Calif. 95114.
- WEEKLY, DR. JAMES K, b. Seymour, Ind, Nov. 26, 33; m. 58; c. 2. BUSINESS ADMINISTRATION, ECONOMICS. B.S, Indiana, 59, M.B.A, 60, Nat. Defense Ed. Act fel, 60-63, D.B.A. (int. bus), 63. Asst. prof. econ, Macalester Col, 63-68; ASSOC. PROF. BUS. ECON, TOLEDO, 68. Lectr., Nat. Defense Ed. Act Inst. Adv. Latin Am. Studies, Col. St. Catherine, summer 68. U.S.A.F, 52-56. Econ. Asn. Role of capital markets in the development of low-income nations; international commercial policies. Publ: Security, marketing in a less-developed economy, Inter-Am. Econ. Affairs, autumn 65: Christian democracy in Chile: ideology and economic development, S.Atlantic Quart, autumn 67; Toward a Central American capital market, J. Common Mkt. Studies, 12/68. Address: 2658 Goddard Rd, Toledo, Ohio 43606.
- WEEKS, DR. ALBERT LOREN. Political Science. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. int. rels, N.Y. Univ. New publ: The other side of coexistence: an analysis of Russian foreign policy, Pitman, 70. Address: 37 Washington Square W, New York, N.Y. 10011.
- WEEKS, PROF. DAVID. Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 1232 Skycrest Dr, Apt. 3, Walnut Creek, Calif. 94595.
- WEEKS, DR. ELDON E(DDEINE). Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 69-, Dept. of Agricultural Economics, Washington State University, Pullman, Wash. 99163.
- WEEKS, PROF. FRANCIS W, b. East Orange, N.J., Jan. 26, 16; m. 42; c. 7. BUSINESS COMMUNICATIONS, ENGLISH. A.B., Swarthmore Col., 37; A.M., Columbia, 39. Asst. BUS. COMMUN, ILLINOIS, URBANA, 39-45, instr, 45-50, asst. prof. 50-52, assoc. prof, 58-63, PROF, 63. Vis. prof, Houston, 67-68. Bus. Commun. Asn, Nat. Soc. Study Commun, Nat. Coun. Teachers of English. Publ: Co-auth, Business reports, McGraw, 58; ed, Readings in communication, Holt, 61; co-auth, Business writing cases and problems, Stipes, 66. Address: 313 David Kinley Hall, University of Illinois, Urbana, Ill. 61801.
- WEEKS, PROF. JAMES K. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- WEEKS, PROF. JAMES S(ANDERS). Educational Psychology, Guidance. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Grad. prof. 69-, Far East Division, Graduate Program in Counseling & Personnel Services, University of Maryland, C.M.R. Box 3876, APO San Francisco, 48323.
- WEEKS, DR. JOHN F, b. Austin, Tex, Apr. 1, 41; m. 64. ECONOMICS. A.B., Texas, 63; fel, Nigerian inst. soc. & econ. res, Univ. Ibadan, 67; M.A. & Ph.D. Lecon), Michigan, 69. Res. assoc. econ., center res. econ. develop, Michigan, 65.68; asst. prof. Wayne State, 68-69; RES. FEL, CENTER RES. ECON. DEVELOP, MICHIGAN, 69. Lectr, Ahmadu Bello Univ. Nigeria, 69-71; summer res. tutor, inst. develop. studies, Sussex, 70. Summer consult. Urban Renewal Prof. Austin, 65. U.S.M.C.R., 61-67. Econ. Asn, Union for Radical Polit. Econ. Wage policy in developing countries, especially employment and skill acquisition. Publ: Comment on Peter Kilby; industrial relations and wage determination, 10/68 & Further thoughts on industrial relations and wage determination, (in press), J. Develop, Areas; Wage policy and the legacy of colonial rule, J. Mod. African Studies, (in press). Address: Center for Research on Economic Development, University of Michigan, Ann Arbor, Mich. 48104.
- WEGNER, DR. KENNETH W(ALTER), b. Newton, Kans, Mar. 13, 32; m. 63; c. 2. PSYCHOLOGY, B.S. Kansas, 53, M.Ed., 55, Ed.D. (counseling psychol), 51, Act, 10f, ED. Groven, 61-66; ASSOC, PROF, DOSTON COL, 66. U.S.A.F., 55-57, Res, 57-Maj, Psychol, Asn; Personnel & Guid Asn. Vocational interest theory; characteristics of disadvantaged youth. Publ. Coauth, Guidance: theory and practice, Am. Bk. Co, 64; auth, Jobs and the color barrier, Pendulum Press, 69. Address: 27 Dartmouth Ave, Needham Heights, Mass. 02194.
- WEHMER, DR. GERALD, b. Chicago, III, Sept. 22, 33; m. 64. CLINICAL PSY-CHOLOGY. B.A, Columbia, 55; M.A, Vanderbilt, 64, Ph.D.(psychol), 66. U.S. Pub. Health Serv. intern, neuropsychiat. inst. California, Los Angeles, 64-65; ASST. PROF. CLIN. PSYCHOL, WAYNE STATE, 65- Psychol. Asn. Biological and psychological measures of mood and stress; obscently and pornography; group interaction and psychotherapy. Publ: Co-auth, chap, In: Affect, cognition and personality, Springer, 65. Address: Dept. of Psychology, Wayne State University, Detroit, Mich. 48202.
- WEHRLE, DR. LEROY S. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Sr. fel, Brookings Inst, 69- Address: 801 Fourth St, S.W., Washington, D.C. 20024.
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- WEI, DR. YUNG. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 69-, Dept. of Political Science, Memphis State University, Memphis, Tenn. 38111.
- WEIDENBAUM, PROF. MURRAY L(EW). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. secy. econ. policy, 69-, U.S. Dept. of the Treasury, Main Treasury Bldg, Room 3315, 15th & Pennsylvania Ave, N.W, Washington, D.C. 20220.
- WEIDMAN, DR. HAZEL HITSON. Social Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. soc. anthrop, 68-, Dept. of Psychiatry, University of Miami School of Medicine, Miami, Fla. 33146.
- WEIGEL, DR. RICHARD GEORGE), b. St. Louis, Mo, Feb. 23, 37; m. 64; c. 1. PSYCHOLOGY. B.A, DePauw, 59; Purdue, 59-60; M.A, Missourit Columbia, 62, Ph.D. (spexhol), 08; Oregon State Univ. Gen. Res. Fund grant, 65-67. Columsr, Missouri, 62-63, instr. psychol, 63-64, counsr, counseling center, Oregon State, 64-67, asst. prof. PSYCHOL, univ, 56-67; COLORADO STATE, 67-70, ASSOC. PROF, 70- Counsr, counseling center, Stephens Col, 63-64; exten. instr., Ore. State Syst. Higher Ed, 65; George Williams Col, summer 61. Psychol. Asn; Personnel & Guidance Asn, Asn. Measurement & Eval. in Gud. Process and outcome research on individual and group counseling and psychotherapy; application of personal constructs and other variables to the marriage relationship; irrelevant-response-determiners in psychological investigations. Publ: Co-auth. The college and university counseling center, Am. Col. Personnel Asn, 70, The effects of group therapy on reported self disclosure, Int. J. Group Psychother, 18: 31-41 & The effect of item meaningfulness on a self—ideal-self measure, Psychol. Reports, 25: 412-414; plus others. Address: Dept. of Psychology, Colorado State University, Ft. Collins, Colo. 80521.
- WEIGHTMAN, DR. GEORGE HENNY, b. Union City, N.J., Jan. 27, 29. SO-CIOLOGY. A.B., Princeton, 51; M.A., Philippines, 52; Ph.D. (sociol), Cornell, 60. Asst. prof. SOCIOL, Philippines, 55-57; American Univ. Beirut, 59-62; res. assoc. Community Serv. Soc. NN, 76-563; asst. prof. San Diego State Col, 63-65; Lehman Col, 65-68; vis. prof. American Univ. Cairo, 68-69; ASSOC. PROF, LEHMAN COL, 69-Peace Corps-Philippine are lectr, Hilo, Hawaii; San Jose State Col. & Sacramento State Col, 65; St. John's Col. (Md), 67. Sociol. Assn. Assn. Asian Sudies; Philippine Sociol. Soc. (ed, Philippine Sociol. Rev, 55-57, secy-treas, 56-57). Ethnic relations in Afro-Asian societies; modernization and social change. Publ: Co-auth, Occupational choices and mobility orientation among Lebanese students, 8/67 & auth, Nature of anti-Sinicism in the Philippines, 12/67, Asian Studies; Philippine Chinese image of the Filippino, Pac. Affairs, winter 67-68. Address: Dept. of Sociology, Lehman College, City University of New York, Bronx, N.Y. 10468.
- WEIGL, DR. PETER DOUGLAS. Ecology, Animal Behavior. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- WEILER, DR. HANS N(ORBERT). Political Science, Education. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 720 Vine St, Menlo Park, Calif. 94025.
- WEILER, DR. ERNEST M, b. Lodi, Ohio, Jan. 9, 37; m. 59; c. 2. EXPERI-MENTAL PSYCHOLOGY. A.B., Ohio, 59; M.A., Kent State, 60; Mich. State, 60-62; Ph.D (psychol), Louisville, 69. Res. psychologist, Enlisted Eval. Center, Indianapolis, Ind. 62-63; res. engr, N.Am. Aviation Inc, Ohio, 63-65; ASST, PROF. EXP. PSYCHOL, WIS. STATE, RIVER FALLS, 69-AAAS; Psychol. Asn; Acoustical Soc. Am. Behavioral studies in the coding of loudness and signal detection. Publ: Co-auth,... Kinesthetic figural attereffects, J. Exp. Psychol, 63. Address: Dept. of Psychology, Wisconsin State University, River Falls, Wis. 54022.
- WEINBERG, DR. ALBERT K(ATZ). International Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Sunset Residential Hotel, St. Petersburg, Fla. 33733.
- WEINBERG, DR. IAN. Sociology. See 11th ed, Soc. & Behav. Vols, deceased 69.
- WEINBERG, DR. MARTIN STEPHEN. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also sr. sociologist, Institute for Sex Research, Indiana University, Bloomington, Ind. 47401.
- WEINBERG, PROF. S(AMUEL) KIRSON). Sociology, Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof., 69-, Dept. of Sociology, Loyola University, 6525 N. Sheridan Rd, Chicago, Ill. 60626.
- WEINDLING, PROF. JOACHIM I(GNACE). Operations Research, Mechanical Engineering. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- WEINER, DR. MAX. Educational Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prol, City Univ. New York, 69- Address: 24 Fernimore Rd, New Rochelle, NY. 10804.
- WEINER, MERVYN L. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. pub. utilities projs. dept, Int. Bank Reconstruct. & Develop, 69- Address: 3206 Cummings Lane, Chevy Chase, Md. 20015.
- WEINER, DR. MURRAY, b. Brooklyn, N.Y, Jan. 1, 28; m. 58; c. 3. PSYCHOL OGY. B.A, N.Y. Univ. 51; M.A, Columbia, 52, Ph.D.(psychol), 63. Reasts, Richardson, Bellows, Henry & Co, 52; voc. counsr, Voc. Guid. Bur, 52-53; res. assoc, Personnel Res. Inst, 53-54; examiner, New York City Civil Serv. Cmn. 55; employment consult, State Labor Dept, NY, 55-65;

- DIR. BEHAV. SCI. SERV, FRY CONSULTS, INC, 65- Adj. assoc. prof, Queens Col. (N.Y.), 66-; adj. prof, sch. indust. & labor rels, Cornell, 69-70. U.S.A.A.F, 64-47. Psychol. Asn; Psychomet. Soc; Soc. Training & Develop. Publ; Standardization of the general aptitude test battery for operating room technicians, U.S. Dept. Labor, 63; Aptitude, achievement and attainment in multi-occupational training, N.Y. State Dept. Labor, 65; Organization of mental abilities from ages 14 to 54, Ed. & Psychol. Measurement, 64. Address: 3212 Healy Ave, Far Rockaway, N.Y. 11691.
- WEINGROD, DR. ALEX, b. Milwaukee, Wis, Feb. 28, 31; m. 52; c. 4. SOCIAL ANTHROPOLOGY. A.B, Chicago, 52, M.A, 54, Ford Found. For Area fel, 57-59, Ph.D (anthrop), 59. Instr. anthrop, Minnesota, 56-57; lectr. sociol, Hebrew Univ. Jerusalem, 59-62; asst. prof. ANTHROP, BRANDEIS, 63-66, ASSOC. PROF, 66- Res. dir, Anthrop. Curriculum Study Proj. 62-66; Nat. Sci. Found. Res. sel, 67-69. Anthrop. Asn. Modernization; contemporary peasant societies; political anthropology. Publ. Israel: a study in group relations, Praeger, 66; Reluctant pioneers, Cornell, 66; Patrons, patronage and political parties, Comp. Studies Hist. & Sociol, 68. Address: Dept. of Anthropology, Brandeis University, Waltham, Mass. 02154.
- WEINMAN, DR. BERNARD S(TANLEY). Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. behav. sci. clin. res. center, 69-, Philadelphia State Hospital, Roosevelt Blvd. & Southampton Rd, Philadelphia, Pa. 19114.
- WEINSTEIN, DR. ARNOLD A, b. New York, N.Y., Jan. 28, 36; m. 57; c. 3. ECONOMICS. A.B. Brooklyn Col., 60; Ph.D. (econ), Virginia, 65. Instr. ECON, State Univ. N.Y. Col. Oneonta, 62-65; asst. prof., SOUTHAMPTON COL., 65-67, ASSOC. PROF., 67- Econ. Asn; Pub. Choice Soc. Individual decision process. Publ: Virginia's regional characteristics, Bur. Pop. & Econ. Res., Univ. Virginia, 65; Transivity of preference: a comparison among age groups, J. Polit. Econ. & Individual preference in transitivity, South. Econ. J, 68. Address: Dept. of Economics, Southampton College, Southampton, N.Y. 11968.
- WEINSTEIN, DR. ESTHER G, b. Portland, Ore, Apr. 19, 10. SOCIAL SCI-ENCES. LL.B, Northwest. Col. Law (Ore), 35; B.A, Willamette, 51; M.A, Syracuse, 61, D.S.SC.(Am. studies), 67. MEM. FACULTY SOC. SCI, SHI-MER COL, 62-, dean students, 62-68. W.A.C, 43-46, 1st Sgt. Nat. Asn. Women Deans & Counsr. American history since 1865; constitutional history. Address: Dept. of Social Sciences, Shimer College, Mt. Carroll, Ill. 61053.
- WEINSTEIN, DR. MICHAEL GORDON, b. Detroit, Mich, July 19, 41. SO-CIOLOGY. Ph.B., Wayne State, 63; A.M., Harvard, 66, Ph.D.(sociol), 68. ASST. PROF. SOCIOI, HAWAII, 67-Consult, Peace Corps Training Progs, 66, 69; Walkiki Ministry Exec. Cmt, Hawaii Coun. Churches, 68; Model Cities Res. Agenda, Univ. Hawaii, 69; Urban Systs. Res. & Eng. Boston, 69-Sociol. Asn. Sociology of education and of communities; participant observation field methodology. Address: Dept. of Sociology, University of Hawaii, Honolulu, Hawaii 96822.
- WEINSTEIN, DR. PAUL A. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Governor's exec. on manpower & labor rels, 69-, State Office Bldg, 301 W. Preston St, Baltimore, Md. 21201.
- WEINSTEIN, DR. RAYMOND M, b. Brooklyn, N. Y, Dec. 3, 39. SOCIOLOGY, SOCIAL PSYCHIATRY. B.B.A, City Col. New York, 63; M.A, California, Los Angeles, 66; Ph.D. (sociol.), 68. Proj. dir. med. sociol, Montefiore Hosp, Bronx, 68-69; ASST. PROF. SOCIOL, WILKES COL, 69- U.S.A, 57-60. Sociol. Asn. Sociology of mental illness; race and ethnic relations; deviant behavior; social stratification; sociology of literature and the arts. Publ: Co-auth, Poverty and mental illness, Am. J. Psychiat, 3/69 & Conceptions of mental illness by patients and normals, Ment. Hyg, (in press). Address: Dept. of Sociology, Wilkes College, Wilkes-Barre, Pa. 18703.
- WEINSTEIN, DR. STEPHEN A. Psychology, Physiology. See L.-Z Vol., 11th ed, Soc. & Behav. Vols. Change of address: Dept. of Environmental Medicine, Johns Hopkins University, 615 N. Wolfe St, Baltimore, Md. 21205.
- WEINTRAUB, PROF. RUSSELL JAY. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- WEINTRAUB, PROF. SIDNEY. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dep. asst. secy. Int. monetary affairs, 69-, Dept. of State, Washington, D.C. 20250.
- WEINWURM, PROF. ERNEST H(ERMAN). Accounting. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof, De Paul Univ, lectr, San Fernando Valley State Col, 69- Address: 907 16th St, Santa Monica, Calif. 90403.
- WEIR, PROF. MORTON W(EBSTER). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. & head, 69-, Dept. of Psychology, University of Illinois, Urbana, 111. 61801.
- WEISBERG, DR. HERBERT I, b. New York, N.Y., Mar. 9, 44. STATISTICS. B.A. Columbia, 65; MA. Harvart 66, Ph.D. Icstatist, 70. ASST. PROF. STATIST, GRAD, SCH. BUS. ADMIN, N.Y. UNIV, 69. Consult, Syst. Res. Assoc, Mass, 68-Statist. Asn. Theory of statistical inference; social science methodology; data analysis. Address: 110 Bleecker St, New York, N.Y. 10012.
- WEISIGER, PROF. CARROLL, JR. Experimental Psychology. See 11th ed, Soc. & Behav. Vols, deceased 68.
- WEISS, DR. BURTON A(LBERT). Psychology. See L-Z Voi, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 70-, Dept. of Psychology, Drexel University, Philadelphia, Ps. 19104.

WEISS, DR. DAVID JOSEPH, b. Philadelphia, Pa. Dec. 31, 36; m. 62. PSY-CHOLOGY. A.B, Pennsylvania, 59; Ph.D. (psychol), Minnesota, 63. Res. assoc, indust. rels. center, MINNESOTA, MINNEAPOLIS, 63-66, asst. prof. PSYCHOL, 66-70, ASSOC. PROF, 70- Psychol. Asn, Psychomet. Soc. Psychometrics; computer applications in psychological measurement; vocational psychology. Publ. Co-auth, The measurement of occupational reinforcer patterns, Minn. Studies in Voc. Rehab, 68, Multivariate relationships between a measure of vocational interests and vocational needs, J. Appl. Psychol, 68 & Individual inconsistency and reliability of measurement, Ed. & Psychol. Measurement, 70. Address: Elliott Hall, Dept. of Psychology, University of Minnesota, Minneapolis, Minn. 55455.

WEISS, DR. EDWARD C(RAIG). Experimental & Engineering Psychology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prog. dir. spec. proj. prog. off. sci. info. serv, Nat. Sci. Found, 67- Address: 4105 Watkins Trail, Annandale, Va. 22003.

WEISS, DR. ETHEL, b. New York, N.Y. Apr. 18, 34. PSYCHOLOGY. M.A., New Sch. Soc. Res, 58, Nat. Sci. Found. coop. fel, 60-61, Nat. Inst. Ment. Health fel, 61-62, Ph.D. (psychol), 63. Res. asst. psychol, Training Sch. Vineland, N.J., 57-58; res. scienist, Letchworth Village, State Dept. Ment. Hyg, N.Y., 58-59; assoc. prof. PSYCHOL, Bard Col, 62-69; ASST. PROF. CITY COL. NEW YORK, 69- AASF, Psychol. Asn, Psychonic Soc. Memory—verbal learning; organizational factors in learning and retention. Publ. Stimulus availability and backward association, Psychol. Reports, 65 & Stimulus category cue as determinants of amount of transfer, J. Exp. Psychol, 67; co-auth, Forward and backward association as a function of unit formation and promunciability, Am. J. Psychol, 68. Address: Dept. of Psychology, City College of New York, 138th St. & Convent Ave, New York, N.Y. 10031.

WEISS, DR. GERALD, b. New York, N.Y. June 29, 32. ANTHROPOLOGY, B.A. Columbia, 53, M.A. Michigan, 57, Ph.D. 69. ASST. PROF. ANTHROP, FLORIDA ATLANTIC, 64. Anthrop. Asn. Cultural anthropology; culture theory; ethnology; South American ethnography. Address: Dept. of Anthropology, Florida Atlantic University, Boca Raton, Fla. 33432.

WEISS, DR. JAY M. Psychology, Physiology. See Suppl. V to 11th ed, Phys. & Biol. Vols.

WEISSENBERG, DR. PETER, b. Berlin, Germany, July 17, 30; U.S. citizen; m. 51; c. 2. ORGANIZATIONAL BEHAVIOR, PSYCHOLOGY. A.B. Syracuse, 51; B.1.E., Ga. Inst. Tech. 88; M.S. Cornell, 45, Nat. Inst. Ment. Health [e], 66:67, Ph.D. Jorg, behav, psychol), 67. Trainee, mig. training prog. Gen. Elec. Co., 58:61, analyst, 61:62, specialist mig. training, 62:63; ASST. PROF. MGT. SCI, STATE UNIV. N.Y. BINGHAMTON, 67-, res. found. fel, 69. Consult, Broome County, 68; acad. assoc. & consult, Systs. develop. div. Int. Bus. Mach. Corp. 68+; consulting faculty mem, U.S. Command & Gen. Staff Col., 69; consult, Int. Textbook Co., 69 - U.S.A., 51:54, Res., 54-, Maj. Psychol. Asn; Soc. Adv. Mgt. Inst. Indust. Eng. Individual differences and leadership; industrial motivation and job satisfaction; power in organization. Publ; Co-auth, Relationships among leadership dimensions and cognitive style, 10/66 & Relationship between job satisfaction and job involvement, 12/68, J. Appl. Psychol. & Social exchange theory and the university, In: Protest: student activism in America, Morrow, 70. Address: School of Business, State University of New York at Binghamton, Binghamton, N.Y. 13901.

WEISSER, DR. HENRY G. British History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

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VEISSMAN, DR. HERBERT NATHANIEL, b. New York, N.Y. Apr. 24, 39.

CLINICAL PSYCHOLOGY. B.A, California, Los Angeles, 60; M.S, Calif. State Col. Los Angeles, 61; Ds. Pub. Health Serv. fel, California, Berkeley, 61, Ph.D. (psychol), 65; U.S. Pub. Health Serv. fel, California, Berkeley, 61, Ph.D. (psychol, ed.), Temple, 66-70; ASSOC. PROF. PSYCHOL, Center & Children's Hosp. Med. Center, 65-66; asst. prof. clin. psychol. & assoc. dir. psychol. clin, Temple, 66-70; ASSOC. PROF. PSYCHOL, CALIFORNIA, DAVIS, 70-; CHIEF PSYCHOLOGIST, SUTTER HOSP, 70- Lett., Swarthmore Col., 68; Psyn Mawr Col., 68; Peace Corps field assessment officer, 69-, chief training develop. officer, Uganda, Africa, summer 70; lectr, Sir. George Williams, summer 69. Consult, East. Pa. Psychalt. Inst, 67-68; dd. ed., New York, N.Y, 67; Lancaster, Pa, 68; Phila, 70. Psychol. Asn. Clinical training and practice; clinical decision-making; differential instructional methods; group process and outcome—sensitivity and marathon groups. Publ: The disposition toward intellectuality; its composition and training: their relation to the practices of clinical psychologists, J. Consulting & Clin. Psychol, 70; co-auth, Psychotherapeutic orientation and training: their relation to the practices of clinical psychologists, J. Consulting & Clin. Psychol, 70; und., The abnormal personality, in: Introduction to contemporary psychology, 9th, 71. Address: Dept. of Psychology, Sutter Hospital, Sacramento, Calif. 95819.

WEISSKOFF, DR. RICHARD, b. New York, N.Y, Dec. 14, 43; m. 69. ECO-NOMICS. B.A, Harvard, 64, Ph.D. (econ), 69. ASST. PROF. ECON, YALE, 69. Econ. Asn; Economec. Soc. Economic development in Latin America; income distribution; industrial organization. Publ: The Colombian experience, 1950-62, in: Relating transport to national goals. Brookings Instn, 69; Demand elasticities for a developing economy, In: Studies in development planning, Harvard, 70. Address: Dept. of Economics, Yale University, New Haven, Conn. 06520.

WEISSKOPF, DR. BERNARD. Medicine. See Suppl. V to 11th ed, Phys. & Biol. Vols.

WEITZ, PROF. HENRY. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. ed, Duke, 68- Address: 2716 Circle Dr, Durham, N.C. 27705.

WEITZEL, DR. WILLIAM FREDERICK, JR, b. Baltimore, Md, Aug. 4, 36; m. 57; c. 2. PSYCHOLOGY, INDUSTRIAL RELATIONS. B.A. Wheaton Col, 61; M.A. Illinois, 63; Ph.D. (psychol), Wayne State, 63. ASST. PROF. INDUST. RELS. & PSYCHOL, MINNESOTA, MINNEAPOLIS, 66- Fel, U.S. Army Med. Res. Lab, Ft. Knox, Ky, 67; grants, personnel res, Green Glant

Co, 67-68, personnel div, State Dept. Taxation, Minn, 68-70; personnel res, Control Data Corp, 69-70. U.S.N., 54-57. Psychol. Asn. Factors affecting performance appraisal; factors related to interpersonal perception; criteria of organizational effectiveness; attitude surveys; training evaluation. Publ: Co-auth, Some relations between personality factors and social facilitation. J. Exp. Res. Personality, 5/69, Managerial models of organizational effectiveness, Admin. Sct. Quart, 9/69 & Action research to produce change in the control of the

WEITZMAN, DR. ELLIOT D. Neurology, Neurophysiology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

WELCH, DEAN CLAUDE EMERSON, JR. Political Science. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: State University of New York at Buffalo, 278 Hayes Hall, Buffalo, N.Y. 14214.

WELCH, DR. FRANK J(AMES). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Tobacco Institute, Inc, 1776 K St, N.W, Washington, D.C. 20006.

WELCH, PROF. JOHN M. b. Mechanicsville, Iowa, May 16, 04; m. 31; c. 1. AGRICULTURAL ECONOMICS, FOOD SCIENCE. B.S. Cornell; M.S., Fla. State, 58, A.M.E., 66, Ph.D. (adult ed), 61. Apprentice hotel mgt, Eppley Hotels Co, Nebr., 26-27; hotel mgr. & managing partner, Roberts Hotel Co, Minn, 27-29; dir. sales prom, Edison Gen. Elec. Appliance Co, Ill, 30-40; dir. inst. div, DuBols Co, Ohio, 46-57; instr. hotel & restaurant mgt, Fla. Slate, 57-60; assoc. prof. agr. econ. & exten. specialist, MISSOURI-COLUM-BLA, 60-61, PROF. AGR. ECON, 61-, PROF. FOOD SCI. & NUTRIT, 68-Dir, Int. Soc. Food Serv. Consult, 64-66; guest prof, Scottish hotel sch. Univ. Strathelyde, 67-68. U.S.A, 40-46, Col. Dietetic Asn, fel. Pub. Health Asn. Adult education and vocational training; business organization; applications to commercial and institutional food service and public lodging management; nutrition. Publ: Co-auth, Meat buying and use in the Missouri restaurants, 63 & Descriptive analysis of the Missouri restaurant industry, 63, Univ. Missouri-Columbia; auth, The Negro in food service, Drive-In & Carry-Out. 8/99. Address: Dept. of Agricultural Economics, 226B Mumford Hall, University of Missouri-Columbia, Columbia, Mo. 65201.

WELCH, PROF. JOHN MORGAN. Journalism. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

WELCH, DR. QUINTIN B. Genetics, Applied Statistics. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

WELCH, DR. WAYNE W(ILLARD), b. Clinton, Iowa, May 20, 34; m. 51; c. 3. EDUCATIONAL PSYCHOLOGY, PHYSICS. B. S. Wisconsin State, 55; M. S. Pennsylvania, 60; M.S. Purdue, 63; Ph.D. (sci ed), Wisconsin, 66; Res. asst. physics ed, Harvard, 65-69; ASSOC. PROF. ED. PSYCHOL, MINNESOTA, MINNESOTA, MINNESOTA, Serval, Gr. Pors, Sci. for Nonscientist, 69; dir. res. & eval, Twin Cities Ed. Res. & Develop. Coun, 69- Ed. consult, Ford Found, Nigeria, Africa, 69; eval. consult, Ginn & Co. 68; consult, Am. Inst. Physics, Ed. & Manpower Cmt, 69- Ed. Res. Asn, Nat. Asn. Res. Sci. Teaching; Asn. Physics Teachers; Nat. Coun. Measurement in Ed; Nat. Sci. Teachers Asn. Curriculum evaluation; science education research. Publ; Co-auth, Effects of a summer institute on attitudes of physics teachers, Sci. Ed. 12/68; & Physics enrollments and grading practices, J. Res. Sci. Teaching, Vol. VI, No. 1; auth, Curriculum evaluation, Rev. Ed. Res, 10/69, Address: 330 Burton Hall, University of Minneapolis, Minneapolis, Minn. 55455.

WELDON, DR. RICHARD C(HAPMAN), b. Calgary, Alta, Aug. 31, 08. PSY-CHOLOGY, EDUCATION. B.A, Alberta, 38, M.A, 41, M.Ed, 47; Ph.D. (psychol), California, Berkeley, 51; Illinois, 53; Geneva, 68. Teacher, pubschs, Alta, 27-34, prin, 34-47, super, 51-53; PSYCHOLOGIST, CHILD GUID. CLIN. GREATER WINNIPEG, 53- Can. Psychol. Asn. Measurement of attitudes related to learning; some perceptual bases of learning. Address: 131 Canora St, Winnipeg 10, Man, Can.

WELLER, DR. ROBERT HUBERT, b. Hagerstown, Md, May 7, 39; m. 63; c. 2. SOCIOLOGY. A. B., Franklin & Marshall Col, 61; M.A., Connecticut, 63; Ph. D. (sociol), Cornell, 67. ASST. PROF. SOCIOL, BROWN, 67- Sociol. Asn. Pop. Asn; Int. Union Sci. Study Pop. Demography of the developing countries, especially factors affecting levels of differential fertility; process of rural-urban migration and its consequences; relation between female employment and family structure. Publi: Empirical examination of megalopolitan structure, Demography, 67; Employment of wives, role incompatibility and fertility, Milbank Mem. Pud Quart, 68; co-auth, Modernization and demographic change, Rural Sociol, 99. Address: Dept. of Sociology, Brown University, Providence, R. I. 02912.

WELLINGTON, PROF. HARRY HILLEL. Law. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

WELLMAN, DR. ALLEN CARROLL, b. Madison, S.Dak, Apr. 22, 39; m. 67; c. 1. AGRICULTURAL ECONOMICS, ECONOMICS. B.S. Nebraska, 62, M.S., 65, Ph.D. (agr. econ), 69. EXT. ECONOMIST, NEBRASKA, 69. U.S.A, 62-64, Res, 64-, Capt. Agr. Econ. Asn. Agricultural marketing. Publ: How technological change affects Nebraska crops, Nebr. Quart, tall 69; Dressed and live price tables: for beef producers and feeders, Exten. Circular 70-839 & Prices for farm planning in Nebraska-1969, Exten. Circular 70-840, Univ. Nebr., 3/70. Address: Dept. of Agricultural Economics, University of Nebraska, Lincoln, Nebr. 68508.

WELLMAN, DR. BARRY, b. New York, N.Y, Sept. 30, 42; m. 65. SOCIOLOGY. A.B. Lafayette Col, 63; Woodrow Wilson fel, Harvard, 63-64, Nat. Sci. Found. fels, 64-67, M.A. 66, Ph.D. Sociol), 70. ASST. PROF. SOCIOL, TO-RONTO, 67-Co-dir. res, Clarke Inst. Psychiat, 67-69; Can. Coun. res. grant, 69-71; Univ. Toronto summer res. fel, 69. Fel. Am. Sociol. Asn; Soc. Study Social Probs; Can. Sociol. & Anthrop. Asn. Urban sociology, especially social psychology and networks; social correlates and effects of social identities and reference; group variations according to race, social

status and social context. Publ: Co-auth, Yorklea study: symptoms, problems and life events, Can. J. Pub. Health, 12/68; auth, On negotiating reality, Soc. Probs, spring 69 & Social identities in black and white, Sociol. Inquiry, summer 70. Address: Dept. of Sociology, University of Toronto, 563 Spadina Ave, Toronto 5, Ont, Can.

WELLS, PROF. CHARLOTTE GERTRUDE, b. Omaha, Nebr, Feb. 10, 12. SPEECH PATHOLOGY. B.F.A, Nebraska, Lincoln, 31; M.A, Wisconsin, Madison, 38, Ph.D. (Speech path), 41. Teacher, high sch, Nebr, 31-37; instr. & asst. prof. speech, Mt. Holyoke Col, 41-45; acting asst. prof. SPEECH PATH, Stanford, 45-46; from asst. prof. to PROF, MISSOURI-COLUMBIA, 46-Vis. summer lectr, Univs. Southern California, Oregon & Colorado, Speech and Hearing Asn. (p.pres, 66); Cleft Palate Asn. (secy-treas, 64-65). Remedial procedures for children with palatal clefts. Address: Speech and Hearing Chiline, University of Missouri-Columbia, No. 65201.

WELLS, DR. DONALD A. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Dept. of Economics, University of Arizona, Tucson, Ariz. 85721.

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Nature of human thought and other psychological processes such as memory
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The development of secondary education, Macmillan, 69; Effects of response
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- WHITE, DR. DOUGLAS R, b. Minneapolis, Minn, Mar. 13, 42; m. 69. CULTURAL ANTHROPOLOGY. B.A, Minnesota, 64, Nat. Sci. Found. fel, 63-64, Nat. Inst. Ment. Health fel, 64-67, M.A, 67; Ph.D. Lanthrop), 69; traveling scholar, Michigan & Columbia, 64-65. ASST. PROF. ANTHROP, PITTS-BURGH, 67-Mem. cmt. info, Nat. Acad. Sci. Nat. Res. Coun, 68- AAAS; Anthrop. Asn, Acad. Polit. & Soc. Sci. Soc. Gen. Systs. Res. Cross-cultural research, economic and urban anthropology; mathematical anthropology. Publ. Societal research archives system: retrieval, quality control and analysis of comparative data, Soc. Sci. Ind. 67; co.-audi, Standard cross-cultural sample. Ethnology, 93. Address. Dept. of Anthropology, University of Pittsburgh, Pa. 15213.
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- WHITE, DR. HARRY HOUSTON. Neurology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- WHITE, DR. LEONARD B. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir, 6-1-77, Ed. Serv. Center, 89- Address: 428 Ellen Ave. S.W, New Philadelphia, Ohio 44663.

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- WHITE, DR. RUSSELL A, b. New York, N.Y, Dec. 9, 36; m. 58; c. 2. GEOGRAPHY. B.A, Hunter Col, 58; M.A. Columbia, 62, Ph.D.(geog), 68. Instr. GEOG, Hostra, 62-68; ASST. PROF, HUNTER COL, 68- Summers, Nat. Sci. Found. Insts, 62-64 & 69, Fulbright-Hays fel, Mex, 67. Asn. Am. Geog; Am. Geog. Soc. Historical geography of Mexico, especially the north Mexican States. Publ: Graduate record examination in geography, Arco, 68. Address: 120 Peach Tree Dr., East Norwich, NY. 11732.
- WHITECOTTON, DR. JOSEPH WALTER, b. Sept. 11, 37; U.S. citizen; m. 60; c. 2. ANTHROPOLOGY. B.A, Miami, 59; Ph.D.(anthrop), Illinois, 68. Asst.

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- WHITEHEAD, PROF. CARLTON JAMES, b. Doyle, La, Oct. 12, 34; m. 58; c. 3. MANAGEMENT, ORGANIZATION THEORY. B.S, Southeast. La, Col, 58; M.B.A, La. State, 62, Ph.D. (mgt), 64. Analyst, Core Labs, lnc, 56-57; teacher, pub. schs, New Mexico, 58-59; parish schs, La, 59-80; asst. prof. MGT, Southwestern Louisiana, 63-64; New Mexico, 64-65; assoc. prof. TEXAS TECH, 65-89, PROF, 69-, DIR. GRAD. STUDIES, 68- Gen. consult. & mem. bd. dirs, Acosta Awning Corp. 65-; consult, Litton Industs, Inc, 68-69. Acad. Mgt; Inst. Mgt. Sci; Inst. Int. Ed. International management. Publ: Communication—a key to managerial effectiveness, Bus. Topics, spring 67; Managerial pitfalls in the small to medium size business organization, Bus. Rev, Univ. Wash, autumn 67; Organization theory and the management dilemma, Adv. Mgt. J, 10/68. Address: 4110 62nd Dr, Lubbock, Tex. 79413.
- WHITEHEAD, JACK MILTON. Physical Anthropology. See 12th ed, Phys. & Biol. Vols.
- WHITELY, PROF. PAUL L(eROY). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Prof. psychol, Millersville State Col. Address: 425 N. President Ave, Lancaster, Pa. 17603.
- WHITEMAN, DR. PAUL H(ENRY), b. Chicago, Ill, Apr. 9, 24; m. 57; c. 3. PSY-CHOLOGY. B. A, Western Reserve, 48, M. A, 50; Ph.D, Minnesota, 59. Instr., inst. child develop, Minnesota, 57-59; sr. psychologist, ed. clin. & Instr. ed. psychol, Hunter Col. 59-60; asst. prof. psychologist, ed. clin. & Instr. ed. 53-70, RESDENT PARTNER, 70- Consult, Richardson, Bellows & Henry Co, Inc, N. Y, 60. U. S.A.A. F, 43-46. Psychological approaches to the study of personality; research and psychological counseling with children and adults. Publ. Co-auth, Formulation of an index of individual religious involvement: a measure of religiosity irrespective of religious group membership, In: Research in the fields of religion, values and morality and their bearing on religious and character formation; Effects of infantile stimulation upon later emotional stability, J. Comp. & Physiol. Psychol; Development of children's moralistic judgments: age, sex, I.Q, and certain personal-experiential variables, Child Develop. Address: Suite 602 Commerce Tower, 911 Main St, Kansas City, Mo. 64105.
- WHITESIDE, DR. DON, b. Brooklyn, N.Y, May 9, 31; m. 56; c. 5. SOCIOLOGY. B.S, Wis. State, Stevens Point, 55; M.S, Wisconsin, 60; Ph.D. (sociol), Stanford, 67. Instr. SOCIOL, N.C. State, 64-65; from instr. to asst. prof. Tennessee, Knoxville, 65-67; ASST. PROF, ALBERTA, 67- U.S.A, 48-52. Native studies; sociological theory; philosophy of science. Publ: Co-auth, On conservative attitudes, Acta Sociol, 65; auth, Measurement of close kindreds, In: Perspectives on regions & regionalism, 69 & An empirical critique of the method of grounded theory, In: Confrontations, 70. Address: Dept. of Sociology, University of Alberta, Edmonton, Alta, Can.
- WHITESIDE, DR. (LONNIE) RAY, b. Childress, Tex, May 20, 30; m. 51; c. 2. EDUCATIONAL PSYCHOLOGY. B.S. Abilene Christian Col., 53, M. Ed. 57; univ. fel. Texas, Austin, 62-63; Ph. Jode, psychol., 64. Asst. registrar. Abilene Christian Col., 55-61; res. assoc. ed. psychol. 6 admin. asst. Texas, Austin, 63-64; asst. prof. ed. ABILENE CHRISTIAN COL., 64-66 ASSOC. PROF. 66-69; PSYCHOL., 69-, DUR. INSTNL. STUDIES, 65-, CHMN. DEPT. PSYCHOL., 70. Med. Serv.C., U.S.A., 53-55. Psychol. Asn; Asn. Higher Ed; Ed. Res. Asn. Personality and other factors affecting human behavior and learning. Address: Abilene Christian College Station, Box 3011, Abilene, Tex. 78601.
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- WHITMAN, DR. ROBERT N(EIL), b. Grosse Pointe, Mich, July 19, 35. PSY-CHOLOGY. B.A, Wayne State, 58, M.A, 60, Ph.D. (psychol), 66. RES. PSY-CHOLOGIST, Plymouth State Home & Training Sch, Northville, Mich, 66-67; ASST. PROF. PSYCHOL, CENTRAL MICHIGAN, 67. Psychol. Asn. Psycholysics of operant responses; operant conditioning of autonomic responses of human subjects; conceptual styles and concept attainment. Address: Psychology Rowe Hall, Central Michigan University, Mt. Pleasant, Mich. 48658.
- WHITMORE, DR. G. A, b. Neepawa, Man, May 13, 40; m. 63; c. 2. STATISTICS, MANAGEMENT SCIENCE. B.S, Manitoba, 64; M.S., Minnesota, 66, Ph.D. (mgt, sci, econ), 68. Asst. prof. MCT, col. commerce, Saskatchewan, 67-68, ASSOC. PROF, 68-69; McGILL, 69- R.C.N, 61-63. Statist. Asn; Opers. Res. Soc. Am; Inst. Mgt. Sci; Can. Oper. Res. Soc. Management science applications in finance and economics; decision theory; statistical analysis in mental health. Publ: Co-auth, Self-correcting problems in statistics, Allyn & Bacon, 70; Independent and joint decision-making for two insurance decisions, J. Risk & Ins, 3/68; auth, Market demand curve for common stock and the maximization of market value, J. Financial & Quant. Anal, 3/70. Address: Faculty of Management, McGill University, Montreal, Que, Can.
- WHITNEY, DR. DANIEL D, b. Alma, Mich, July 25, 37; m. 59; c. 2. AN-THROPOLOGY. B.A, Mich. State, 62, M.A, 63, Ford Found, grant, 64-68, Ph.D. Clanthrop), 68. Instr. soc. sci, Lansing Community Col, 65-66; asst. prof. ANTHROP, SAN DIEGO STATE COL, 66-69; ASSOC. PROF, 69-, ASSOC. DEAN COL. ARTS & LETTERS, 69- ASSI, dir, Asian Studies Center, Mich. State Univ, 65-66; summers, Wenner-Gren Found, grant anthrop. res. to attend, Seventh Int. Cong. Anthrop, Moscow, USSR, 64; community develop. coordinator, Jamaica Peace Corps Training proj. San Diego State Col, 67. Consult, U.S. Army Spec. Forces, 62-64. U.S.A.F, 55-59. Anthrop. Asn; Soc. Appl. Anthrop; Soc. Int. De-

velop. Communication of information within the boundaries of a society, especially the communication of innovative information; the influence of social structure upon values and patterns of behavior; majority-minority group relations. Publ: Co-auth, People in the middle: the Rhade of South Vietnam, Mich. State Univ, 10/62 & The Gappet: local reorganization in Japan, Human Orgn, fall 65. Address: Dept. of Anthropology, San Diego State College, San Diego, Calif. 29115.

WHITSON, COL. WILLIAM W(ALLACE), U.S.A. International Relations. See L.-Z Vol, 11th ed, Soc. & Bebav. Vols. New information: Mem. policy planning staff, Int. Security Affairs, 69-& spec. asst to dep. asst. seev. defense for regional progs, systs. anal, 69-, Office of the Secretary of Defense, The Pentagon, Washington, D.C. 20301.

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WIDMAYER, DR. RUTH C. Political Science. See MOULY, DR. RUTH WID-MAYER, this Suppl.

WIECKING, E(RNST) H(ERMANN). Land Economics. See L-Z Vol, 11th ed, Soc. & Béhav, Vols. New information: Retired, 70. Address; 102 N. Quaker Lane, Alexandria, Va. 22304.

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WIENER, DR. DANIEL N(ORMAN). Psychology. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New publ: Practical guide to psychotherapy, Harper, 69. Address: 19 S. First St. Apt. B2302, Minneapolis, Minn. 55401.

WIENS, PROF. HEROLD J(ACOB). Geography. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Split appt. beginning 1970: Prof. geog. Illinois, Urbana, fall semester & Hawaii, spring semester. Address: Dept. of Geography, University of Hawaii, Honolulu, Hawaii 96822.

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WIKSELL, PROF. WESLEY A. Speech, Mass Communications. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.

WILBANKS, DR. THOMAS J, b. Texarkana, Ark, Aug. 4, 38; m. 59; c. 1. GECGRAPHY. B. A., Trinity (Tex), 60; Nat. Sci. Found. fel, Syracuse, 66-67, MA, 67, Nat. Acad. Sci.-Nat. Res. Coun. for, lield res. fel, 67-68, Soc. Sci. Res. Coun. fel, 68, Ph.D. (geog), 69. ASST. PROF. GEOG. SYRACUSE, 69-Consult, policy inst, Syracuse Univ. Res. Corp. 69- U.S.A, 60-64, Capt. Asn. Am. Geog; Regional Sci. Asn. Pegional economic development; pattern analysis; geographic theory and research methods; technology and human ecology. Address: 735 Ostrom Ave, Syracuse, N.Y. 13210.

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- WILD, PROF. JOHN LESLIE, b. London, Ont, Dec. 28, 17; m. 50; c. 2. JOUR-NALISM. B.A, Western Ontario, 41; M.A, Michigan, 58. Lectr. JOURNALISM, WESTERN ONTARIO, 47-49, asst. prof, 49-52, assoc. prof, 52-54, PROF, 54-, HEAD DEPT, 52- Mem, Royal Cmn. Govt. Orgn, 61-62 & Can. Managing Ed. Conf.; mem. exec. cmt, Press Inst. Can. R.C.A.F, 42-46. Address: 6 Rollingwood Circle, London, Ont, Can.
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- WILDBERGER, DR. WILLIAM CAMPBELL. Administrative Medicine, Psychiatry. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- WILDE. DR. GERALD J. S, b. Groningen, Holland, Oct. 23, 32; m. 57; c. 2. PSYCHOLOGY. B.A. Amsterdam, 55, M.A., 59, Ph.D. (psychol), 62. Res. psychologist, Univ. Hosp, Amsterdam, 59-64; ass. prof. PSYCHOL, QUEEN'S (ONT), 64-65. ASSOC. PROF. 65- Lectr, Amsterdam, 59-62; Utrecht, 62-64; vis. prof, Hunter Col., 64-65. Consult, Fed. Dept. Transport, Ottawa, 69- Med.C, Dutch Armed Forces. Can. Psychol. Asn. Personality theory; communications research; human behavior genetics; ergonomic psychology. Address: Dept. of Psychology, Queen's University, Kingston, Ont.
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- WILEMON, DR. DAVID LUTHER, b. Waxahachie, Tex, Mar. 27, 37; m. 61; c. 2. MARKETING MANAGEMENT. B.B.A, Southern Methodist, 59, M.B.A, 60; Ph.D. (bus.), Mich. State, 67. ASST. PROF. MKT, SYRACUSE, 66- Nat. Aeronaut. & Space Admin. res. grant, 68-; Am. Asn. Advert. Agencies ed. award, 69- Consumer behavior; product research and development; project management. Publ: Managing product systems: a project management approach, Bus. & Econ. Dimensions, 70. Address: Dept. of Marketing, College of Business Administration, Syracuse University, Syracuse, N.Y. 13210.
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69 & Money, banking, and monetary theory: problems, concepts, and self-tests, Harper, 69. Address: Dept. of Economics, Franklin Hall, Kent State University, Kent, Ohio 44240.

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- WILLIS, DR. WILLIAM S(HEDRICK), JR. Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof, 68-, Southern Methodist University, Dallas, Tex. 7522.
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- WILLOWER, PROF. DONALD JAY, b. Buffalo, N.Y, May 31, 27; m. 49; c. 2. EDUCATIONAL ADMINISTRATION, SOCIOLOGY OF EDUCATION. B.A, Buffalo, 50, M.A, 51, Ed.D.(gen. admin.) 59. Teacher, pub. schs. N.Y, 55-57; instr. ED. ADMIN, Buffalo, 57-59; asst. prof. PA. STATE, 59-62, assoc. prof. 62-65, PROF, 65-6 Mem. bd. trustees, Univ. Coun. Ed. Admin, 68-; mem, Am. Asn. Sch. Adminstr. Nat. Cmn. Prfnl. Prep, 68-70. U.S.A, 45-46. Ed. Res. Asn. The school as a social organization, the theory-practice relationship in education. Publ: Co-ed. & contrib. auth, The professorship in educational administration, Univ. Coun. Ed. Admin, 64; co-auth, The school and pupil control ideology, Pa. State Univ, 67; auth, Schools as organizations, J. Ed. Admin, 69. Address: 207 Rackley Bidg, Pennsylvania State University, University Park, Pa. 16802.

- WILMER, DR. HARRY A(RON). Psychiatry. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Consult. psychiat, 69-, Scott & White Clinic, Temple, Tex. 76501.
- WILMSEN, DR. EDWIN N(ORMAN). Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. prof. anthrop. & curator, 68-, Museum of Anthropology, University of Michigan, Ann Arbor, Mich. 48104.
- WILSON, PROF. ANDREW W(ILKINS). Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Appointed mem. emn. geog. arid lands, Int. Geog. Union, India, 68- Address: Dept. of Geography & Area Development, College of Business & Public Administration, University of Arizona, Tucson, Ariz. & 5721.
- WILSON, DR. ARTHUR JESS. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Psychologist, vet. admin, Franklin D. Roosevelt Hosp, 68-Address: 487 Park Avy, Yonkers, N.Y. 10703.
- WILSON, PROF. CHARLES Z, JR. Economics, Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. ed. & asst. v.chancellor, 68-, University of California, Murphy Hall, 405 Hilgard, Los Angeles, Calif. 90024.
- WILSON, PROF. CYNTHIA. Climatology, Geography. See Suppl. V to 11th ed. Phys. & Biol. Vols.
- WILSON, DR. DAVID A(RNOLD). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Mgr. econ. & statist. div, 69-, Canadian Pulp and Paper Association, 2300 Sun Life Bldg, Montreal 110, Que, Can
- WILSON, DR. FRANK B. Speech, Audiology. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- WILSON, DEAN GEORGE WILTON, b. Winnipeg, Man, Feb. 15, 28; m. 52; c. 3. ECONOMICS. B.Comm, Carleton, 50; M.A., Kentucky, 51; Iel, Cornell, 52-55; Ph.D.(econ), 55; Economist, Bd. Transport Cnnrs, Ottawa, 51-52; asst. prof. econ, Middlebury Col, 55-57; ECON. TRANSPORTATION, SCH. BUS, RIDIANA, BLCOMINGTON, 57; asscc. prof. 9-62, PROF., 62, CRIM. DEPT. ECON, 66-, DEAN COL. ARTS & SCI, 70- Mem, Pres. Task Force on Transportation, 64, 86. Consult, Brookings Inst. Bur. of Budget, Twentieth Century Fund, Govt. of Can; Robert Nathan Assocs. & U.S. Dept. Justice. Pres, Transportation Res. Forum, 68. Econ. Asn. Economics of transportation and of development and public policy; history of economics of transportation, Found. Bus. & Econ. Studies, Indiana Univ, 62; co-auth, Canada; an appraisal of its needs and resources, Twentieth Century Fund, 65 & The impact of highway investment on development, Brookings Inst, 66. Address: Dept. of Economics, Indiana University School of Business, Bloomington, Ind. 47401.
- WILSON, DR. HELEN K, b. New York, N.Y, Dec. 17, 30; m. 52; c. 4. PSY-CHOLOGY. M.A, Minnesota, 67, Nat. Inst. Ment. Health fel, 65-69, Ph.D. (psychol), 69. ASST. PROF. PSYCHOL. & CHMN. DEPT, ST. MARY'S COL. (IND), 69- Psychol. Asn. Contrast effects as a function of magnitude of reinforcement under free operant conditions; application of findings in human behavior modification. Publ: Co-auth, Cue and secondary reinforcement effects with children, 65 & Resistance to extinction as a function of percentage of reinforcement, number of training trials and conditioned reinforcement, 66, J. Exp. Psychol; co-auth, A correlational comparison of the Wolpe-Lang fear survey schedule and Taylor manifest anotety scale, Behav. Res. & Ther, 66. Address: Dept. of Psychology, St. Mary's College, Notre Dame, Ind. 46556.
- WILSON, DR. JAMES W(ARNER). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Correction in address: Center for Cooperative Education, Northeastern University, Boston, Mass. 02115.
- WILSON, DR. JOHN M. Sociology, Criminology. See 11th ed, Soc. & Behav. Vols, deceased 69.
- WILSON, DR. JOHN OLIVER. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Asst. dir. off. planning, res. & eval, 69-, Office of Economic Opportunity, 1200 19th St. N.W, Room B717, Washington, D.C. 20506.
- WILSON, DR. JOHN PHILIP, b. Knoxville, III, Dec. 24, 35. ANTHROPOLOGY. B.S. Illinois, 58, M.A., 61; Ph.D. (anthrop), Harvard, 69. CURATOR archeol, MUS. N.MEXICO, 63-66, HIST. ARCHEOL, 66- Soc. Am. Archaeol, fel. Anthrop. Asn; Soc. Ethnohist. Southwestern United States archeology, history and ethnohistory; historical archeology. Publ. Military campaigns in the Navajo country, northwestern New Mexico, 1800-1846, Mus. N. Mex. Res. Records, 67; Excavations at Fort Fillimore, El Palacio, Muss. N.Mex, Vol.

- 74, No. 2; Another archaeological survey in east-central Arizona: preliminary report, Plateau, Mus. North. Ariz, Vol. 39, No. 4. Address: Museum of New Mexico, P.O. Box 2087, Santa Fe, N.Mex. 87501.
- WILSON, DR. JOHN TODD. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Provost, 69-, University of Chicago, Chicago, Ill. 60637.
- WILSON, DR. LARMAN C, b. Lincoln, Nebr. Apr. 20, 30; m. 59; c. 2. POLITICAL SCIENCE, INTERNATIONAL RELATIONS. B.A. Nebr. State
 Teachers Col, Chadron, 52; tejl. Maryland, 55-57, MA, 57; Ph.D. 64. Lectr.
 polit. sci. & econ, Maryland, 57-59, polit. sci. (82-64; asst. prof. U.S. Naval
 Acad, 64-68; ASSOC. PROF. INT. & DYTER-AM. RELS, AMERICAN UNIV,
 68- U.S. Naval Acad. res. grant, summer 66. Summers, consult, Res. Inst,
 Ill. Inst. Tech, 65, Naval War Col, 66, Center for Res. In Soc. Systs, 67.
 Polit. Sci. Asn; Soc. Int. Law; Int. Studies Asn; Latin Am. Studies Asn.
 Latin American foreign policy of the United States; regional integration;
 intervention in international law. Publ: Law and intervention in the Cuban
 invasion of 1961, Rev. Droit Int, 9-12/65; The Monroe Doctrine, cold war
 anachronism, J. Polit, 5/66; Estados Unidos y la Guerra Civil Dominicana,
 Foro Internacional, 10-12/67. Address: School of International Servicê,
 American University, Washington, D.C. 20016.
- WILSON, DR. LOGAN. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: American Council on Education, One Dupont Circle, Washington, D.C. 20036.
- WILSON, PROF. R(AMON) B. Agricultural Economics, Marketing. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. dir, 69-, Agricultural Experiment Station, Purdue University, Lafayette, Ind. 47907.
- WILSON, PROF. SAMUEL MACK. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also assoc. dean, sch. bus. admin, Temple, 70- Address: 1730 Susquehanna Rd, Abington, Pa. 19001.
- WILSON, DR. STEPHEN R, b. Zanesville, Ohio, Apr. 7, 40; m. 65; c. 2. SO-CIOLOGY. B.A, Denison, 62; M.A, Kent State, 64; Ph.D. (sociol), Duke, 67. ASST. PROF. SOCIOL. AFS. Sociol. Ass. Small groups; social psychology. Publ: Effect of the laboratory situation on experimental discussion groups, Sociometry, 6/69; co-auth, Status inconsistency and satisfaction with sororities, Social Forces, 10/69; Some factors influencing instrumental and expressive ratings in task-oriented groups, Pac. Sociol. Rev, winter 70. Address: Dept. of Sociology, Temple University, Philadelphia, Pa. 19122.
- WILSON, DR. STEWART WADE. Electrical Engineering, Physics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- WILSON, DR. THEODORE RAYMOND. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also acting asst. to the pres, Union Col, 69- Address: Division of Social Science, Union College, Schenectady, N. V. 12308.
- WILSON, DR. W(ILLIAM) CODY. Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Exec. dir, 68-, U.S. Commission on Obscenity & Pornography, 1016 16th St. N.W, Washington, D.C.
- WIMMER, DR. LARRY T, b. Snowflake, Ariz, Dec. 8, 35; m. 58; c. 4. ECO-NOMICS. B.S, Brigham Young, 60; M.A, Chicago, 62, Frank Knight, Marshall Field, Lilly & Earhart fels. & Ph.D. [econ], 68. Instr. ECON, BRIG-HAM YOUNG, 63-65, asst. prof, 66-68, ASSOC. PROF. & CHMN. DEPT, 69-Res. analyst, Utah State Legis, 68- Econ. Assr. Econ. Hist. Asn. Economic history: theory; public finance; international monetary economics. Publ: Co-auth Econometric model of the Utah revenue system, Off. Utah Legis. Analyst, 68. Address: Dept. of Economics, Brigham Young University, Provo. Utah 48601.
- WINDAL, DR. FLOYD WESLEY. Accounting. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. acct, 69-, Dept. of Accounting & Financial Administration, Michigan State University, East Lansing, Mich. 48823.
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 WINDER, PROF. ALVIN ELIOT, b. New York, N.Y, Feb. 17, 23; m. 50; c. 4. PSYCHOLOGY, EDUCATION. B.A. Brooklyn Col, 47; M.S. Illinois, 48; Ph.D. Ihuman develop), Chicago, 52. Instr. psychol. & col. counsr, Roose-velt, 48–52; staff psychologist, Downey Vel. Admin. Hosp, 52–53; chief psychologist, Vel. Admin. Hosp, 52–53; chief psychologist, Vel. Admin. Hosp, 52–53; chief psychologist, Vel. Admin. Clif. 53. Chief psychologist, Vel. Admin. Clif. 54. Chief psychologist, Vel. Admin. Chief psychologist. Vel. Chief psychologist. Vel.
- WINDES, PROF. RUSSEL R. Social & Behavioral Sciences, Communication-See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- WINDESHAUSEN, PROF. H. NICHOLAS. Marketing. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. mkt. & chmn. grad. studies, Sacramento State Col, 69- Address: 3908 Pounds Ave, Sacramento, Calif. 95821.

- WINDMULLER, PROF. JOHN P (HILIP). Labor Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. Change of address: 102 Woodcrest Terr, Ithaca. N.Y. 14850.
- WINER, DR. HAROLD R(OBERT). Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 7329 Lakehurst, Dallas, Tex. 75230.
- WINER, DR. LEON. Business Administration, Management Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Baruch College, 17 Lexington Ave, New York City, N.Y. 10010.
- WING, PROF. LUCY F. Psychology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir, 69., School Psychology & Counseling Programs, State University of New York College at Oswego, Oswego, N.Y. 13126.
- WINGATE, PROF. JOHN W(ILLIAMS). Business Administration, Marketing. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 15 E. 10th St, New York, N.Y. 10003.
- WINGFIELD, DR. ROLANDO, b. Charleston, S.C. Nov. 26, 29. SOCIOLOGY, ANTHROPOLOGY. B.A, La. State, 60, M.A, 61, Ph.D. (sociol), 65. Res. asst. sociol, La. State, Baton Rouge, 60-61; vis. prof, Haiti, 61-63; instr. La. Staté, Baton Rouge, 63-64; asst. prof. Puerto Rico, 64-65; sociologist, dept. agr., Govt. Tunisia, 65-66; ASST. PROF, SOCIOL, PUERTO RICO, 66-Tech. asst, Haiti, 61-63, Tunisia, 65-66. U.S.M.C., 46-48. Sociol. Asn; Soc. Int. Develop. Problems of socio-economic development; drug addiction. Public Les Creoles a la Nouvelle-Orleans, un monde qui se meurt, 4/62 & Essai sur la liberation des esclaves aux Etats-Unis, 8/62, Semences: Class structure and class conflict in Haittan society, Social Forces, 3/65. Address: Dept. of Sociology, University of Puerto Rico, Rio Piedras, P.R. 00931.
- WINHAM, DR. GILBERT RATHBONE, b. New York, N.Y. May 11, 38; m. 60; c. 2. POLITICAL SCIENCE. B.A, Bowdoin Col., 59; Dipl, Manchester, 65; Ph.D. Ipoblit. scil, North Carolina, Chapel Hill, 68. ASST. PROF. POLIT. SCI, McMASTER, 67- Can. Coun. res. grants, 69-71. U.S.N.R., 59-62, Lt. Am. Polit. Sci. asn; Can. Polit. Sci. Asn. Decision-making in international politics. Publ: Quantitative methods in foreign policy analysis, Can. J. Polit. Sci., 6/69; Developing theories of foreign policy-making: a case study of foreign aid, J. Polit, 2/70 & Political development and Lerner's theory; further test of a causal model, Am. Polit. Sci. Rev., 9/70. Address: Dept. of Political Science, McMaster University, Hamilton, Ont, Can.
- WINKLER, DR. ROBERT LEWIS, b. Chicago, Ill, Feb. 12, 43; m. 64; c. 1. STATISTICS, APPLIED MATHEMATICS. B.A., Illinois, 63; Ph.D. (statist, math, econ), Chicago, 66; Instr. math, Illinois, Chicago Circle, 66; asst. prof. QUANT. BUS. ANAL, INDIANA, BLOOMINGTON, 66-69, ASSOC. PROF. 69- Nat. Sci. Found, grant, 69-71. Statist. Asp., Inst. Math. Statist; Inst. Mgt. Sci. Bayesian inference and decision theory. Publ: Co-auth, Statistics probability, inference, and decision, 2 Vols, Holt, 70. Address: Dept. of Quantitative Business Analysis, Indiana University, Bloomington, Ind. 47401.
- WINNICK, DR. LOUIS. Economics. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New position: Dep. v.pres. nat. affairs, Ford Found. 68- Address: 23 Nassau Dr., Greatneck, N.Y. 11021.
- WINNIE, PROF WILLIAM W. JR. b. Pontiac, Mich, Jan. 27, 28; m. 63. SO-COLOGY. B.S. Florida, 53, M.A. 55, Ph.D. (inter-Am. studies), 56. Statistician, Int. Statist. Prog. Off, U.S. Bur. Census, 56-58; asset, prof. geog. La. State, 58-59; prof. econ. geog, Nuevo Leon, 59-61; Pubright letr., Chile, 61-62; specialist soc. planning & programming, dept. soc. affairs, Pan Am. Union, 62-63; sociologist, eval. & coord. group, soc. develop, div, Inter-Am. Develop. Bank, 63-64; consult, Latin Am. Center, Univ. California, Los Angeles, 64-66, assoc. res. sociologist, 66-67; prof. sociol, Colorado State, 67-70; FULBRIGHT RES. PROF. ECON, GUADALAJARA, 10- Res. scholar, California, Los Angeles, assoc, Calif. State Col. Long Beach & lectr, Calif. State Col. Fullerion, 64-65; acting dir. center Latin Am. studies, Colorado State, 68-69; Am. Philos. Soc. Irield work grant, Mex, 69-70. Expert soc. affairs, Orgn. Am. States-Inter-Am. Develop. Bank-Econ. Cmn. Ior Latin Am. Mission to Peru, summer 63. Training officer, int. Statist. Prog. Off. U.S. Bur. Census, summer 53. Training officer, int. Statist. Prog. Off. U.S. Bur. Census, summer 55. U.S.A, 46-47. Sociol. Asn, Latin Am. Studies Asn. Modernization; population studies: relationships between local community and broader levels of society. Publ. Latin American development: theoretical, sectoral and operational approaches, Univ. California, Los Angeles, 67; The Spanish surname criterion for the identification of Hispanos in the southwestern United States, Soc. Porces, 60; Communal land tenure in Chile, Am. Asn. Am. Geog. 65; plus others. Address: Fæculty of Economics, University of Guadalajara, Jallsco, Mex.
- WINOKUR, DR. STEPHEN, Experimental Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- WINSBOROUGH, PROF. HALLIMAN H(ERRIN). Sociology, Demography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. 67-, Dept. of Sociology, University of Wisconsin, Madison, Wis. 53705.
- WINSLOW, PROF. R(EX) S(HELTON). Economics. See 11th ed, Soc. & Behav. Vols, deceased 68.
- WINSTON, DR. CLEMENT. Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 69. Address: 4501 Connecticut Ave. N.W., Washington, D.C. 20008.
- WINTER, DR. ARTHUR B(RUCE). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. polit. sci, 69-, University of Nebraska, 534 Oldfather Hall, Lincoln, Nebr. 68508.
- WINTER, DR. HERBERT R(EINHOLD). Political Science. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New publ: Co-ed, Political science: introductory essays and readings, Wadsworth, 70. Address; Dept. of Political Science, Rhode Island College, Providence, R.I. 02908.

- WINTER, DR. J(ERRY) ALAN. Sociology, Social Psychology. See L-Z Vol, 11th ed. Soc. & Behav. Vols. New position & address: Assoc. prof, 70-, Dept. of Sociology, Connecticut College, New London, Conn. 06320.
- WINTER, PROF. RALPH KARL, JR. Law, Economics. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- Scholars, Vol. 17, Philos, Reilg. & Law.

 WINTER, PROF. SIDNEY G. JR. b. Lowa City, Lowa, Apr. 20, 35; m. 63; c. 2. ECONOMICS. B.A, Swarthmore Col., 56; Woodrow Wilson fel. Yale, 56, Junior Sterling fel, 57; Ph.D. Fecon., 64; fel. Brookings Inst., 58. Res. 61, 62; acting asst. prof. ECON. California, Berkeley, 63, 64, 685; acting asst. prof. ECON. California, Berkeley, 63, 64, 685; acting assoc. prof., 65, 66; PROP. DE.PT. ECON. & RES. ASSOC, INST. PUB. POLICY STUDIES. MICHIGAN, 68. For Found, faculty res. fel, 65, 66. Con. suit, Off. Secy. Defense, 62, 63; Rand Corp, 62, 68; Human Sci. Res., Inc, 63, 65; Nat. Acad. Sci. Adv. Cmt. Civil Defense, 63, 66. Econ. Asn; Economet. Soc. Organizational decision making and the theory of the firm, especially integration of realistic theories of the firm into theories of market behavior. Publ: Economic natural selection and the theory of the firm, Yale Econ. Essays, spring 64; Some properties of the closed linear model of production. Int. Econ. Rev, 57,65; The norm of a closed technology and straight-down-ties. University of Michigan, Ann Arbor, Mich. 48104.
- WINTERCORN, ELEANOR S(TIEGLER). Audiology, Speech Pathology. See Suppl. V & VI to 11th ed, Phys. & Biol. Vols.
- WINTERS, DR. JOHN J. JR. b. Belfast, Pa. Aug. 4, 28; m. 70. EXPERIMENTAL & DEVELOPMENTAL PSYCHOLOGY. B. A. Fairleigh Dickinson, 57; M.A., New Sch. Soc. Res. 60; Off. Econ. Opportunity scholar, N.Y. Univ, 66-61, Ph.D. (psychol), 68. Res. fel. ment. retardation, Johnstone Training & Res. Center, N.J. 63-64; res. assoc. verbal learning, Swarthmore Col, 64-65; retardation, JOHNSTONE TRAINING & RES. CENTER, 65-68. RES. SCI. ENTIST VERBAL PERCEPTION, 68. U.S.A., 50-52. AAS, Psychol. Asn. Asn. Men. Deficiency. Visual perception, verbal learning, laterality development and decision theory and their relation to child development and mental retardation. Publ: Co-auth, Development of lateral and choice sequence preferences, Int. Rev. Res. in Ment. Retardation, 68; Subjective organization by retardates and normals during free recall of visual stimula, 3/69 & auth, A comparison of normals and retardates on physiological and experiential Illusions, 5/69, Am. J. Ment. Deficiency. Address: Johnstone Training and Research Center, Bordentown, N.J. 08505.
- WINTERS, DR. RAY WYATT. Physiological Psychology. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- WINTON, DR. MARIANNE YVONNE, b. Seattle, Wash, Oct. 3, 30. PHYSICAL ANTHROPOLOGY. B. A. California, Berkeley, 52, M. A., 54 & 68, Nat. Inst. Ment. Health fel, 67-69, Ph. D. (anthrop), 69. Prin. lab. technician, California, Riverside, 57-63; ASST. PROF. ANTHROP, WYOMING, 69. AAAS; Asn. Phys. Anthrop: Anthrop. Asn. Living populations of man, their description and analysis aimed at understanding and predicting future human evolution. Publ: The secular essentia nature of diet of some South American Indians, Am. J. Phys. Anthrop. 70. Address: Box 3361, University Station, Laramie, Wvo. 82070.
- WIRT, PROF. FREDERICK M. Political Science. See L-Z Vol, 11th ed, Soc & Behav. Vols. Change of address: Institute of Government Studies, University of California, Berkeley, Calif. 94704.
- WIRTHLIN, PROF. RICHARD B. Economics. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Dir, survey res. center, Brigham Young, 69-; pres, Decision Making Info, Los Angeles, Calif, 69- Address: Jessee Knight Bidg, Brigham Young University, Provo, Utah 84601.
- WISDOM, PROF. JOHN OULTON. Philosophy, Psychology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- WISE, PROF. FRED HOBART, b. Summerville, Pa, Mar. 5, 29; m. 50; c. 2. SCIENCE & PSYCHOLOGY. B. S. Pa. State Teachers Col. Clarion, 51; M.Ed, Pa. State, 56; New Mexico, 58-59; Dayton, 64-65. Teacher, Sandy Twp. Schs, Pa, 51-54; teacher & guid. counsr, Brockway Joint Schs, 54-57; soc. scientist, Rand Corp, 57-58; human factors specialist, Syst. Develop. Corp, 58-62; eng. psychologist, Lockheed Missiles & Space Co, 62-63; sr. human factors secientist, Syst. Develop. Corp, 63-67; ASSO. PROF. MGT. & DIR. CENTER MGT. SYSTS. GEORGIA, 67- Inst. Mgt. Sci; Asn. Ed. Data Systs. Computer-based information systems and the application of computers to socio-technological problems. Publ: Co-auth, Automated human factors task data handling research, Human Factors, 4/67. Address: 405 Riverhill Dr. Athens, Ga. 30601.
- WISENTHAL, DR. MILES, b. Montreal, Que, Oct. 29, 13; m. 35; c. 2. PSY-CHOLOGY, STATISTICS. B.A. Sir George Williams, 56; M.A. McGill, 57; Prov. Que scholar, London, 62-64, P.D. (bysychol), 64. Res. asst. psychol. McGill, 56-58, lectr, 58-59, asst. prof, 59-61, assoc. prof, 63-65, prof, 65-69, DIR ED. DIV, DOM. BUR. STATIST, 69-Lectr, Royal Naval Col., Eng, 62-64; consult, Ministry Ed. Prov. Que, 64-68. Can. Army, 40-45, Capt. Am. Ed. Res. Asn; Can. Psychol. Asn; Can. Ed. Res. Asn; Brit. Psychol. Soc. Individual differences; learning theory; measurement of human abilities. Address: Education Division, Dominion Bureau of Statistics, Ottawa, Ont, Can.
- WISH, DR. MYRON, b. New Orleans, La, Mar. 23, 40; m. 64; c. 1. PSYCHOL-OGY. B.A. Western Reserve, 61; summer, Nat. Sci. Found. fel, Michigan, 62 & 62-65. M.A, 63, Ph.D. (laysychol), 66. Asst. prof. psychol. 6-64, TEACH-ERS COL. COLUMBIA, 66-69, PART-TIME RES. ASSOC. PSYCHOL, 69-, MEM. TECH. STAFF, BELL TELL LABS, 67- Nat. Sci. Found grant, 68-73. Participant, Nat. Sci. Found. Inst. Comput. Appin, Univ. Colorado, sumsumple control of the control of the control of the control of the Study Social Issues. Applications of multidimensional scaling in social psychology, perception, and psycholinguistics; measurement theory; mathemati-

- cal models. Publ: A model for the perception of Morse Code-like signals, Human-Factors, 67; sr. co-auth, Differences in perceived similarity of nations, lin: Multidimensional scaling: theory and applications in the social sciences, Stanford Univ, 70 & Differences in conceptual structures of nations an exploratory study, J. Personality & Soc. Psychol, 70. Address: Bell Telephone Labs, Murray Hill, N.J. 07974.
- WISNER, DR. ROBERT NEWELL, b. Tecumseh, Mich, Aug. 29, 39; m. 62; c. 3. ECONOMICS, AGRICULTURAL ECONOMICS. B.S. Mich, State, 62, M.S. 64; Ph.D. (agr. econ), Tennessee, 67. ASST. PROF. ECON, 10WA STATE, 67- Agr. Econ. Asn. Econ. Asn. Agricultural marketing and price analysis, especially grain and farm supply sectors. Publ: Influence of CCC stocks on cash-futures price spreads in the Chicago corn market, Quart. Bull. Mich. Agr. Exp. Sta, 11/64. Address: Dept. of Economics, Iowa State University, Ames, Iowa 50010.
- WISPE, DR. LAUREN G(LASGOW), b. Oak Park, Ill, June 29, 18; m. 42; c. 2. PSYCHOLOGY. B.S, Northwestern, 41; M.A, Illinois, 47; fel. & Ph.D. (soc. psychol), Harvard, 50. Asst. prof. psychol, Onio State, 50-57, assoc. prof. 57-59; mem. staff, print, serv. br, Nat. Inst. Ment. Health, 59-63, res. psychologist, Iab. psychol, 63-64; res. soc. psychologist, U.S. Dept. Labor, 64-67; PROF. PSYCHOL, OKLAHOMA, 67-7, ACTING DIR. GROUP RELS. INST, 61-, chmn. dept. psychol, 67-69. Consult, Prudential Ins. Co, N.J., 50-51; Reed Col, 53; aviation psychol. labor, 160; Dir. State, 57. Chmn. Cmt. Equality of Opportunity in Psychol, 66-69; mem. rev. cmt, Nat. Inst. Ment. Health, 69-AAAS; Psychol. Asn; Soc. Psychol. Study Social Issues. Positive forms of social behavior, particularly sympathy, mutual aid, altruism and work. Publ. Sympathy and empathy, in: Encyclopedia of the social sciences, Macmillan, 68; Present status of the Negro in American psychology, 69 & The bigger the better, 69, Am. Psychologist; plus others. Address: Dept. of Psychology, University of Oklahoma, Norman, Okla. 73069.
- WISSNER, PROF. HOWARD WILLIAM. Economics. See 11th ed, Soc. & Behav. Vols, deceased 68.
- WIT, PROF. DANIEL. Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir. int. progs, 69-, Northern Illinois University, De Kalb, Ill. 60115.
- WITELSON, DR. SANDRA F(REEDMAN). Psychology. See 12th ed, Phys. & Biol. Vols.
- WITHALL, DR. JOHN. Psychology, Education. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: On leave from Pa. State Univ. as Ford Found. adv-coordinator, 69-, Comparative Education Centre, University of Lagos, P.O. Box 2368, 47 Marina, Lagos, Nigeria.
- WITHERSPOON, PROF. ROBERT PAUL. Psychology, Counseling. See L-Z Vol., 11th ed, Soc. & Behav. Vols. Change of address: 603 S. Elizabeth, Conway, Ark. 72032.
- WITHEY, PROF. STEPHEN B(ASSETT). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 735 Peninsula Court, Ann Arbor, Mich. 48105.
- WITTE, DR. ERNEST F(REDERIC). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dean, 69-, School of Social Professions, University of Kentucky, Lexington, Ky. 40506.
- WITTE, DR. ROBERT L, b. Granton, Wis, Dec. 18, 32; m. 54; c. 2. COUN-SELING PSYCHOLOGY. B.S, Wis. State, Eau Claire, 56; grad, Luther Theol. Sem, 59; M.S, Wisconsin, Madison, 64, Ph.D.(counseling), 67. ASST. PROF. Psychol, Wis. State, Eau Claire, 56-69; STUDENT PERSONNEL, MINNESOTA, MINNEAPOLIS, 69. U.S.A. F, 51-52. Psychol. Ass; Personnel & Guidance Asn. Identification of factors involved in high and low academic achievement in college students. Address: 724; Ninth St, Hudson, Wis. 54016.
- WITTMAN, PROF. JAMES S(MYTHE), JR. Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. sociol. West. Kentucky, 68- Address: 701 Magnolia Ave, Bowling Green, Ky. 42101.
- WITTREICH, DR. WARREN J(AMES). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Wittreich Assocs, Inc, Morgan House, Stenton Ave. & Mermaid Lane, Philadelphia, Pa. 19118.
- WITUCKI, DR. JEANNETTE RENNER, b. Omaha, Nebr, Feb. 28, 30; m. 49; c. 2. ANTHROPOLOGY, LINGUISTICS. B. A. California, Los Angeles, 60, univ. fel, 60-61, Ph.D. (anthrop), 66. ASST. PROF. ANTHROP. & LING, CALIF. STATE COL. LOS ANGELES, 67- Anthrop. Asn. Ethnol. Soc; Ling. Soc. Am; Int. Ling. Asn. Correlations between linguistic structure and social structure so that aspects of one can be predicted on the basis of knowledge of the other. Address: Dept. of Anthropology, California State College at Los Angeles, 5151 State College Dr, Los Angeles, Calif. 90032.
- WITTY, PROF. PAUL ANDREW. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 5555 N. Sheridan Rd, Chicago, Ill. 60640.
- WOFSEY, DR. MARVIN MILTON, b. Stamford, Conn. June 1, 13; m. 49; c. 1. MANAGEMENT. B.S. N.Y. Univ, 35; Hopkins, 31-38; M.A. American Univ, 42, Ph.D. (gub. admin), 66. Ogra. & methods analyst, U.S. Dept. Navy, 47-48, budget analyst, 46-54, acct, 54-57, asst. to comptroller, 57-59, div. dir. data processing, 59-60; asst. dir. center tech. & admin, American Univ, 60-64; div. dir. systs, U.S. Dept. Delense Comput. Inst, 46-67, ASSOC, PROF. MGT, GEORGE WASHINGTON, 67- U.S.N, 43-45. Asn. Comput. Mach. Data Processing Mgt. Asn. (Int. dir. 65-67). Management of automatic data processing systems; design of systems; education and training for computers. Publ. Management of automatic data processing systems, Thompson Book, 68; Management of automatic data processing systems, 55, Data Processing. Address: Dept. of Management Sciences, George Washington University, 2129 G St. N.W. Washington, D.C. 20006.

WOGAMAN, DR. JOHN PHILIP. Social Ethics. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.

WOGAN, DR. MICHAEL. Clinical Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir, urban semester prog, col. liberal arts & sci, Connecticut, 69-70. Address: RFD 2, Box 93A, Coventry, Conn. 06238.

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WOITUN, DR. BRONISLAW P. b. Brzozow, Poland, Sept. 3, 23; U.S. citizen. ECONOMICS, POPULATION ECONOMICS. B.A, Cologne, 49; M.B.A, Temple, 54; Ph.D. (econ. hist), Pennsylvania, 68. Acct, Triangel Publ, Inc, 52-56; instr. ECON, Temple, 56-62; assoc. prof, Kutztown State Col, 62-65; vis. assoc. prof, Susquehanna, 65-67; ASSOC. PROF, Indiana Univ. Pa, 67-69; POINT PARK COL, 99-Econ. Asn; Econ. Hist. Asn; Pop. Asn. Am. Population growth and economic development of modern Europe, especially in the 19th and 20th century; analysis of trends in population movement. Publ: Trends in fertility in West Poland in the nineteenth century, 6/67 & Two hypothesis concerning infant mortality in West Poland in the 19th century, 6/69, Susquehanna Univ. Studies. Address: 700 Forbes Ave, Pittsburgh, Pa. 15219.

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WOLF, DR. ABRAHAM, b. New York, N.Y, Sept. 14, 35; m. 62. PSYCHOL-OCY. B.A., Brooklyn Col, 56; M.A., Pennsylvania, 59, Ph.D. (psychol), 61. Instr. PSYCHOL, SCH. MED, TEMPLE, 61-65, ASST. PROF, 65-; V.PRES, ASSCS. FOR RES. IN BEHAV, INC, 64- Psychol. Asn. Social engineering; consumer behavior; advertising effectiveness. Publ: Co-auth, Birth order, recruitment conditions and volunteering preference, J. Personality & Soc. Psychol, 65, address: Associated for Research in Behavior, Inc, Science Center, 44th & Market St, Philadelphia, Pa. 19104.

WOLF, DR. CHARLOTTE, b. Boulder, Colo, Sept. 14, 26; m. 52; c. 2. SOCI-OLOGY. B.A, Colorado, 49, M.A, 59; Ph.D. (sociol), Minmesota, 68. Instr. SOCIOL, St. Mary Col. (Kans), 62-63; lectr, overseas div, Univ. Maryland, Ankara, Turkey, 65-67; ASST. PROF, Colorado State, 66-69; TEMPLE BUELL COL, 69- AAAS; Sociol. Asn, Acad. Polit & Soc. Sci. Publ. Garrison community: a study of an overseas American military colony, Greenwood Pres, 69. Address: Dept. of Sociology, Temple Buell College, 1800 Pontiac St, Denver, Colo. 80220.

WOLF, DONALD, S.J. Political Science. See L.-Z Vol. 11th ed, Soc. & Behav. Vols. New position & address: Assoc. prof. 69-, Dept. of Political Science, Arizona State University, Tempe, Ariz. 85261.

WOLF, PROF. ELEANOR PAPERNO, b. Detroit, Mich. Feb. 16, 17; m. 36; c. 2. SOCIOLOGY. B.A, Wayne State, 38, M.A, 39, Ph.D. (sociol), 59. Spec. instr. sociol, Wayne State, 44-57; staff sociologist, Merrill-Palmer Inst. Human Develop. & Family Life, 59-60; from. asst. prof. to assoc. prof. SOCIOL, WAYNE STATE, 60-68, PROF. 68- Exec. dir. intergroup rels, Mich. Labor Cmt, 46-54, consult, 60-; community res. dept, Merrill-Palmer Inst, 60- Sociol. Asn; Soc. Study Social Probs. Intergroup and race relations; urban community research and theory. Publ: Co-auth, Change and renewal in an urban community, Praeger, 69; auth, Class and race in the changing city, In: Urban research and policy planning, Sage Pub, 67; The tipping point in racially changing neighborhoods, In: Urban planning and social policy, Basic Books, 68. Address: Dept. of Sociology & Anthropology, Wayne State University, Detroit, Mich. 48202.

WOLF, PROF. HAROLD ARTHUR. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. 69-, Dept. of Finance, School of Business, University of Texas, Austin, Tex. 18712.

WOLF, DR. LAURENCE G(RAMBOW). Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. geog, Cincinnati, 69-Address: 3402 Whitfield, Cincinnati, Ohio 45220.

WOLF, DR. RICHARD M, b. Pittsburgh, Pa, Sept. 6, 34; m. 58; c. 1. EDUCATIONAL MEASUREMENT, STATISTICS. B.A, Antioch Col, 57; Ed.M, Buffalo, 59; Ph.D. (ed), Chicago, 64. Res. asst, ed. res. center, Buffalo, 57-58; teacher, pub. schs, N.Y, 58-61; res. asst, dept. ed. (Chicago, 61-63, res. assoc, grad. sch. ed. & lab. schs, 63-64, asst. prof. & res. assoc, dept. ed. Chicago, 64-65; asst. prof. measurement & statist, sch. ed. Southern California, 65-68; ASSOC. PROF. PSYCHOL. & ED, TEACHERS COL, COLUMBIA, 68-Consult, Int. Ed. Achievement Proj. 65-70. AAS; Ed. Res. Asn; Psychol. Asn. Measurement of environments; icross-national achievement. Publ: The measurement of environments, in: Testing problems in perspective, Am. Coun. on Ed, 66; Evaluation of several formulae for correction of item-total test correlations in item analysis, J. Ed. Measurement, spring 67; Construction of attitudes and description scales & Data processing, in: International project for the evaluation of educational achievement, phase I: a comparative study of outcomes of mathematics instruction in twelve countries. Address: Box 165, Teachers College, Columbia University, New York, N.Y. 10027.

WOLF, PROF. WILLIAM B. Business Administration & Management. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. dept. manpower

studies, N.Y. State Sch. Indust. & Labor Rels, Cornell, 70- Address: 115 Llenroc Court, Ithaca, N.Y. 14850.

WOLFE, DR. ARTHUR COFFMAN, b. Pasadena, Calif, Nov. 2, 30; m. 54; c. 4, POLITICAL SCIENCE. B.A, Oberlin Col. 52; Earlham Col., 52-53; M.A, Michigan, S8 & 62; Ph. Lopiti. sci., 66. Ed. & training specialist, Truk Ed. Dept, 56-60; asst. in res, SURV. RES. CENTER, MICHIGAN, 62-64, asst. study dir, 64-66, STUDY DIR, 66- Med.C, U.S.A, 53-55. Polit. Sci. Asn. Political parties, public opinion and voting behavior in modern and developing democracies; social change in urban America. Publ: Trends in labor union voting behavior, 1948-1968, Indust. Rels, 10/69; co-auth, Continuity and change in American politics, Am. Polit. Sci. Rev, 12/69. Address: 1213 Olivia Ave, Ann Arbor, Mich. 48104.

WOLFE, PRES. GREGORY BAKER, b. Los Angeles, Calif, Jan. 27, 22; m. 46; c. 3. POLITICAL ECONOMY. A.B. Reed Col. 43; M.A., Fletcher Sch. Law, 46, Ph.D. fint. rels), 61. Staff mem, int. div, Arthur D. Little, Inc, \$2-57; exec. dir, Greater Boston Econ. Study Cmt, 57-61; dir, Latin Am. Prog. Cmt. Econ. Develop, 61-64; fed. negotiator, joint transportation cmn, Nat. Capitol Region, 62-66; dir. off. res. & anal. for Am. repub, bur: intel. & res, U.S. Dept. State, 64-68; PRES, PORTLAND STATE, 68- Consult, Ford Found, 61; U.S. Dept. State, 70- U.S.NR, 42-46, L. Polit. Sci. Asn. Publ: Auth. & co-auth, Metropolitan policy studies and economic base reports, Greater Boston Econ. Study, 57-61. Address: Portland State University, P.O. Box 751, Portland, Ore. 97207.

WOLFE, DR. THOMAS W(ILLIAM), b. San Francisco, Calif, Jan. 1, 14; m. 38; c. 3. POLITICAL SCIENCE. B.A, Hiram Col, 35; M.A, Columbia, 50; Ph.D. (polit. sci), Georgetown, 55. SR. STAFF MEM, RAND CORP, 62. Consult, U.S. Arms Control & Disarmament Agency, 66- Mem, Coolidge Disarmament Comp. 59-60; U.S. Mio. Agency-Nation Disarmament Del, 60. U.S.A.F., 42-62, Col. Asn. Adv. Slavic Studies; Polit. Sci. Asn; Inst. Strategic Studies. Soviet foreign and defense policy; Soviet leadership polittics; Warsaw Bloc affairs; Sino-Soviet relations. Publ: Soviet strategy at the crossroads, Harvard, 63; Soviet power and Europe, Johns Hopkins, 70. Address: 6379 Dockser Terr, Falls Church, Va. 22041.

WOLFF, DR. KURT J. Psychiatry. See Suppl. VI to 11th ed, Phys. & Biol.

WOLFGANG, PROF. MARVIN E(UGENE). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chm, 69-, Dept. of Sociology, University of Pennsylvania, Philadelphia, Pa. 19104.

WOLFLE, PROF. DAEL. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, 70-, Graduate School of Public Affairs, University of Washington, Seattle, Wash. 98105.

WOLKISER, DR. ARTHUR M(ARTIN). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Gude, Winmill & Co, 1 Battery Park Plaza, New York, N.Y. 10004.

WOLLERSHEIM, DR. JANET P, b. Anaconda, Mont, July 24, 36; m. 59; c. 2. CLINICAL PSYCHOLOGY. B.A. Gonzaga, 58; univ. fel, St. Louis, 58-59, M.A., 60; U.S. Pub. Health fel, Illinois, Urbana, 63-64, 66-67, Ph.D.(clin. psychol), 68. Sch. psychologists, pub. schs, Ill, 59-53; instr. & teaching asst. psychodiagnostics, Illinois, Urbana, 64-66; intern clin. psychol, Vet. Admin. Hosp, Danville, Ill, 67-68; clin. psychologists, meth. health clin, MISSOURI-COLUMBIA, 68-69, ASST. PROF. PSYCHOL, 69-, CLIN. PSYCHOLOGIST, & ASST. DIRT, TESTING & COUNSELING CENTER, 69-, vis. lectr. abnorm. psychol, 59. Summers, res. assoc. & psychol. consult, sch. soc. work, Illinois, Urbana, 63, res. assoc, instr. res. for except. children, 66; psychologist, pub. schs, Ill, 65. Psychol. Asn. Psychological treatment and behavior disorders; psychotherapy outcome research. Publ: Co-auth, The efficacy of two organizational plans for underachieving intellectually gifted children, 63 & Anevaluation of two preschool programs for disadvantaged children, 68, Except. Children; Behavior therapy with children: a broad overview, In: Annual progress in child psychiatry and child development, Brunner, 68. Address: 1609 Stanford Dr, Columbia, Mo. 65201.

WOLOSIN, DR. ROBERT J(ONATHAN), b. Cincinnati, Ohio, Mar. 3, 42; m. 66; c. 1. SOCIAL PSYCHOLOGY. B.A. Chicago, 64; M.S. Michigan, 67, Nat. Sci. Found. & Rackham fels, 67-68, Ph.D. (soc. psychol), 88. ASST. PROF. PSYCHOL, INDIANA, BLOOMINGTON, 68- AAAS. Social psychology and perception; group dynamics; development of social concepts in children. Publ. Self and social perception and the attribution of internal states, Univ. Microfilms, Amn Arbor, 68; co-auth, Individual and group risk-taking in a two choice situation, 1/68 & The development of status distinctions under conditions of inequity, 10/68, J. Exp. Soc. Psychol. Address; Dept. of Psychology, Indiana University, Bloomington, Ind. 47401.

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WONG, DR. JAMES J, b. Cleveland, Ohio, Dec. 20, 39; m. 66; c. 1. BUSI-NESS ADMINISTRATION, MARKETING. B.S.Ch.E., Ohio, 62; M.B.A, Case Western Reserve, 65; Illinois, 65; HIII left, Ohio State, 67-68; Ph.D. Ous. orgn), 68. Process engr, refinery number I, Standard Oil Co. Ohio, 62-63; proj. engr, explosive chem. div, Atlas Chem. Industs, Inc., 65; instr. MKT, MISSOURI-ST. LOUIS, 68, ASST. PROF. 69- Consult, Solid Waste Pollution Control Dept, Monsanto Co, summer 69. Mkt. Asn. Interorganizational relationships and behavior; analysis of the organization structure for solid waste management; credit services and opstace and implications for the small reduler, Am. Mkt. Asn, 8/69; Merits of bank credit cards are in-

- definite for merchant having own charge plan, Am. Banker, 9/69; Bank credit cards—the retailer's point of view, J. Consumer Credit Mgt, (in press). Address: Dept. of Marketing, School of Business Administration, University of Missouri-St. Louis, St. Louis, Mo. 63121.
- WONG, DR. PATRICK TIN-CHOI. Genetics. See Suppl. VI to 11th ed, Phys & Biols. Vols.
- WOOD, DR. DONALD MILTON, b. Gary, Ind, Aug. 27, 37; m. 60; c. 3. EX-PERIMENTAL PSYCHOLOGY. B.S, Purdue, 59; M.A, North Carolina, 62, Ph.D. Ogsychol), 63. Instr. PSYCHOL, SCH. MED, NORTH CAROLINA, CHAPEL HILL, 63-64, asst. prof, 64-70, ASSOC. PROF, 70-, ASST. DIR. CHILD DEVELOP. INST, 66- Mem, Nat. Coun. Univ. Res. Administr. AAS, Psychol. Asn; Soc. Res. Child Develop. Psychophysiology; learning and motivation; child development. Address: Child Development histitute, Medical School, University of North Carolina at Chapel Hill, Chapel Hill, N.C. 27514.
- WOOD, DEAN E(RNEST) R(ICHARD). Psychology, Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dean instr, 68-, Southwood College, Salemburg, N.C. 28385.
- WOOD, DR. FREDERIC C, JR. Religion, Empirical Studies. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- WOOD, DR. JAMES RUTLAND, b. Vina, Ala, June 18, 33; m. 55; c. 2. SO-CIOLOGY, B.A, Vanderbilt, 54, M.A, 65, Nat. Inst. Ment. Health fel, 66-67, Ph.D. (sociol), 67; B.D. Yale, 58. ASST. PROF. SOCIOLOGY, INDIANA, BLOOMINGTON, 67- Summer fel, inst. comp. sociol, Indiana Univ, 67. Sociol. Asn. Organizations in their social context. Publi: Co-auth, Industrialization, values, and occupational evaluation in Uruguay, Am. J. Sociol, 7/66, Aspects of racial integration in the Methodist church, Soc. Forces, 12/60°& Children's interpersonal tactics, Sociol. Industry, winter 67. Address: Dept. of Sociology, Indiana University, Bloomington, Ind. 47401.
- WOOD, DR. JOHN B, b. Ames, Iowa, Oct. 11, 34; m. 57; c. 3. STATISTICS, ELEMENTARY MATHEMATICS EDUCATION. B.S. Wisconsin, 56; Nat. Sci. Found. assistantship, Minnesota, summers 61 & 62, Macpherson fel, 61-62, M.A., 62, Ph.D.(ed), 68. Instr. math, Tarsus Col, Turkey, 56-59; ASST. PROF, Hampton Inst, 67-70; ELEM. ED, NORTH DAKOTA, 70-5 Statist. Asn. Bayesian statistical inference in psychology and education. Address: New School, University of North Dakota, Grand Forks, N.Dak. 58201.
- WOOD, DR. JOHN J, b. Decatur, Tex, Mar. 21, 40; m. 61; c. 3. ANTHRO-POLOGY: B.A, Colorado, 62, M.A, 64, Ph.D. (anthrop), 67. ASST. PROF. ANTHROP, NORTHERN ARIZONA, 66- Anthrop. Asn; Asn. Phys. Anthrop. Archeology in eastern Colorado; human cytogenetics; cultural ecology; Africa as a research area. Publ: Co-auth, The excavation of the Hazeltine Heights Site, 63 & Comments on the Bisterfeldt Potato Cellar Site and Ilexed burials in the western plains, 65, Southwest. Lore. Address: Dept. of Anthropology, Northern Arizona University, Flagstaff, Ariz. 86001.
- WOOD, KENNETH RUSSELL. Mathematical Statistics. See 11th ed, Soc. & Behav. Vols, deceased.
- WOOD, DR. LOWELL D, b. Cardston, Alta, Jan. 23, 33; m. 55; c. 4. ECO-NOMICS, AGRICULTURAL ECONOMICS. B.S, Brigham Young, 61; M.S, Montana State, 65; Ph.D. (Jagr. econ), California, Berkeley, 69. Agr. economist, California, Berkeley, 68-69; ASST. PROF. ECON. & AGR. ECON, BRIGHAM YOUNG, 69. Agr. Econ. Asn. Resource economics. Address: 549 E. 2825 N, Provo, Utah 84601.
- WOOD, DR. RICHARD H(ARVEY). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof, bus. admin, 69-, Dept. of Management, College of Commerce & Business Administration, University of Alabama, Box 5154, University, Ala. 35486.
- WOOD, PROF. ROBERT C(OLDWELL). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Dir, joint center urban studies, Mass. Inst. Tech-Harvard, 69: chmn. bd. dirs, Mass. Bay Transportation Authority, 69- Address: Joint Center for Urban Studies, Massachusetts Institute of Technology-Harvard University, 66 Church St, Cambridge, Mass. 02138.
- WOOD, DR. VIVIAN I, b. Kenton, Ohio, Sept. 29, 22. SOCIOLOGY. B.A, Chicago, 52, M.A, 58, Ph.D.(human develop), 63. Res. assoc. human develop, Chicago, 61-63; res. sociologist, WISCONSIM, MADISON, 63-63, asst. prof. Sociologist, WISCONSIM, MADISON, 63-63, asst. prof. Chid Health & Human Develop, res. training prog. in aging, 66. Midwest Coun. Soc. Res. on Aging fel, 64-67; consult, Nat. Inst. Ment. Health res-demonstration proj. dept. soc. work, Univ. Kansas, 65-66. U.S.W.M.C.R, 43-45, Sgt. Sociol. Asn; Geront. Soc.; Coun. Soc. Work Ed. Social gerontology; correlates of morale among aged persons, measurement of morale; retirement and migration; retirement-community living; generational value differences; differences in friendship over the life cycle; the grandparental role. Publ: Co-auth, The American retirement community; bane or blessing?, J. Geront, 4/69 & Methodological issues in measuring the environment in institutions for the aged, Aging & Human Develop, 70; chap, In: Social work and mental retardation, Day, 70. Address: School of Social Work, University of Wisconsin, 1225 Observatory Dr., Madison, Wis. 53706.
- WOOD, DR. WALTER A(BBOTT). Geography. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- WOODARD, PROF. F(LORENCE) M(AY). Economics. See L-Z Vol. 11th ed. Soc. & Behav. Vols. Change of address: 31 N. Williams St. Burlington, Vt. 05401.

- WOODBURY, NATHALLE F(ERRIS) S(AMPSON). Anthropology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Ed, Newsletter & Bulletins, Am. Anthrop. Asn, 68-; res. assoc. anthrop, Massachusetts, 70- Address: Weatherwood Rd, RFD 3, Amherst, Mass. 01002.
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- WOODCOCK, DR. RICHARD W(ESLEY). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Dir. res, 68-, American Guidance Service, Inc., Circle Pines, Minn. 55014.
- WOODEN, PROF. RALPH L(EE). Education. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also dir. audiovisual center, A&T State University, P.O. Box H-22, Greensboro, N.C. 27411.
- WOODN, PROF. RALPH JAMES, b. Chardon, Ohio, Aug. 20, 09; m. 32; c. 1. AGRICULTURAL EDUCATION. B.S. Ohio State, 31, M.A. 44, Ph.D. (agr. ed), 52. Teacher high sch, Ohio, 31-40; instr. AGR. ED, OHIO STATE, 40-48, asst. prof, 48-52, assoc. prof, 52-58, PROF, 55- Summers, vis. prof, Auburn, 52, Pa. State, 62, New Mexico State, 63. Ed, Agr. Ed. Mag, 62-65. Voc. Ed. Res. Asn; Voc. Asn. Supply and demand of teachers of vocational agriculture in the United States, 1965-1969; the use of filing systems by teachers of vocational agriculture in the United States. Publ. Co-auth, A university department evaluates its curriculum, Dept. Agr. Ed, Ohio State Univ, 58; auth, The role of state associations, Am. Voc. J. 10'45; New Resources in audio-visual materials and equipment, Worlds Poultry Sci. J. 1/65. Address: Dept. of Agricultural Education, Ohio State University, Columbus, Ohio 43210.
- WOODMAN, DR. HAROLD DAVID. United States Economic History. See 5th ed, Dir. Am. Scholars, Vol. 1, Hist.
- WOODRUFF, DR. LLOYD W(ILBUR). Political Science, Economics. See L-Z Vol, 1th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 69-, Division of Public Administration, University of New Mexico, Albuquerque, N.Mex. 87106.
- WOODRUFF, DR. ROBERT ARNOLD, JR. Psychiatry. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- WOODS, DR. CLYDE M, b. Seattle, Wash, Nov. 12, 32; m. 60; c. 4. ANTHRO-POLOGY. B.A. San Jose State Col. 60, M.S., 61; M.A. Stanford, 63, Ph.D. (anthrop), 68. ASST. PROF. ANTHROP, CALIFORNIA, LOS ANGELES, 68-U.S.M.C, 52-55, 8gt. Anthrop. Asn. Cultural dynamics; economic anthropology; peasant societies; Middle and Latin America. Publ: San Lucas Toliman, In: Los Pueblos Del Lago Attitian, Seminario de Integracion Social, Guatemala C.A. 69; Students vulbout teachers, In: Learning to work, Addine, 70: co-ah, Foreign students at a high-pressure university. 3cciol. of Ed, Vol. 39, No. 2. Address: 74 18th St, Hermosa Beach, Calif. 30554.
- WOODS, DR. JAMES E(DWARD). Psychology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chief psychologist, 69-, U.S. Medical Center for Federal Prisoners, Springfield, Mo. 65802.
- WOODS, JAMES L(EE), b. Columbus, Ohio, Feb. 29, 32; m. 53; c. 3. POLITICAL SCIENCE. B.A, Ohio State, 53, M.A, 57; univ. fel, Cornell, 56, Farr fel, 58, Soc. Sci. Res. Coun fel, 59, Off. Seev. Defense fel, 67. Mgt. intern, OFF. SECY. DEFENSE, 60-61, plans analyst, off. dir. mil. assistance, 61-64, soc. sci. analyst, OverRSEAS DEFENSE RES. OFF, ADV. RSS. PROUS. ACENCY, 64-66, chief res. & anal. div, 66-67, soc. sci. analyst, 68-69, Soc. int. Law, Polit. Sci. Asn, Asn. Asian Studies. National security policy; international relations. Address: Office of Secretary of Defense, Advanced Research Projects Agency, Research & Development Center, APO San Francisco 95946.
- WOODS, DR. STEPHEN C(HARLES), b. Pasadena, Calif, Feb. 17, 42; m. 64; c. 2. PSYCHOLOGY, PHYSIOLOGY. B.S. Washington (Seattle), 65, Nat. Defense Ed. Act fel, 66-68, U.S. Pub. Health Asn. fel, 68-70, Ph.D. (psychol, physiol), 70. Clin. chemist, Children's Orthopedic Hosp. & Med. Center, Seattle, Wash, 65-70; ASST. PROF. PSYCHOL, COLUMBIA, 70. Diabetes Asn; Psychol. Asn. Classically conditioned endocrine responses; specific hungers; neural control of metabolic fuel stores; conditioned hypoglycemia. Address: Dept. of Psychology, Columbia University, New York, N.Y. 10027.
- WOODSON, G(EORGE) STANLEY. Biostatistics. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- WOODWARD, DR. ADDISON E, JR, b. Montclaire, N.J, Apr. 30, 40; m. 62; c. 2. PSYCHOLOGY. B.S. Long Island, 64; M.A. Conn. Col. 66; Ph.D. (psy-chol), Toronto, 64. ASST. PROF. PSYCHOL, ALBION COL. 68. Nat. Sci. res. fels, 68. Human memory; verbal learning. Publ: Co-auth, Positional and sequential probes in serial learning, Can. J. Psychol, 22: 131-138; co-auth, Transformations of positive and negative information in a modified learning set task, 72: 492-497 & auth, Continuity between serial memory and serial learning, (in press), J. Exp. Psychol. Address: Dept. of Psychology, Albion College, 704 E. Porter St, Albion, Mich. 49224.
- WOODWARD, DR. BURTON MOSSMAN, b. Springfield, Mass, Dec. 8, 15; m. 41; c. 2. MANAGEMENT SCIENCE, FINANCE. B.A, Florida, 59, M.B.A, 65, Ph.D, 68. V.pres, Employers Serv. Corp. 55-58; mgr. comput. center, Florida, 59-65, mgr. comput. tab, col. bus. admin, 67-68; ASSOC. PROF. data processing, Northern Arizona, 68-69; MCT. SCI, COL. WILLIAM & MARY, 69-80c. Gen. Systs. Res; inst. Decision Sci; Economet. Soc; Econ. Asn. Use of various statistical techniques to determine trend of stock marriage.

ket. Address: Dept. of Management Science, School of Business Administration, College of William & Mary, Williamsburg, Va. 23185.

WOODWARD, DR. CHRISTEL A, b. Bronx, N.Y, Jan. 13, 41; m. 66. CLIN-ICAL PSYCHOLOGY. B.S, State Univ. N.Y. Col. Potsdam, 61; M.A, Ohio State, 64, Ph.D. (clin. psychol), 68. Teacher, elem. sch, N.Y. 61-62; psychologist, Children's Ment. Health Center, Columbus, Ohio, 65; Harding Hosp, 67-66; Lakeshore Psychiat. Hosp, 68-69; 483T. PROF. PSYCHIAT. (PSYCHOL), McMASTER, 69- AAAS, Am. Psychol. Asn. Can. Psychol. Asn. Clinical Judgment objective methods of personality measurement; evaluation of mental health programs; child clinical psychology. Address: 58 Lister Ave, Hamilton 52, Ohi, Can.

WOODYARD, DR. HOWARD DALE, b. Chicago, Ill, Dec. 11, 37. CLINICAL & SOCIAL PSYCHOLOGY. B.A, Roosevelt, 61, M.A, 64; Ph.D. (psychol), Florida, 68. Intern psychol, Elgin State Hosp, 62-63; Univ. Florida Teaching Hosp, 66-67, mental health worker, child unit, 67-68; ASST. PROF. PSY-CHOL, WINDSOR, 69. Can. Coun. res. grant, 69-70. Self perception theory; cognitive dissonance theory; person perception; neuropsychology; diagnostic techniques for treatment techniques. Publ: Co-auth, Personality impression change as a function of the favorableness of first impression, J. Personality, 33: 343-357; auth, A test of self-perception: Experiment 1, 137-282, Proc. Annual Convention, Am. Psychol. Asn., 69. Address: Dept. of Psychology, University of Windsor, Windsor, Onl, Can.

WOODYATT, DR. LYLE JOHN. Recent American & Russian History. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

WOOLDRIDGE, DR. POWHATAN J(OSEPH), b. Lexington, Ky, Sept. 22, 35; m. 58; c. 3. SOCIOLOGY. B.A, Chicago, 56; B.S, Florida, 57, Fla. Tuberc. & Health Asn. fels, 58-69, M.A, 69; U.S. Pub. Health Serv. fel, Yale, 61-63, Ph.D. (sociol), 65. Asst. res. med. sociol, J. Hillis Miller Health Center, 58-69; instr. sociol. & Intle Rock, 60-61; acting instr. sociol. & nursing, Yale, 63-64, asst. prof, 64-65; SOCIOL, Case Western Reserve, 65-68; ASSOC. PROF, IOWA, 68- Sociol. Asn. Practice theory and applied research, particularly in the nursing profession; principles of theory construction and research design; statistical procedures and techniques. Publ. Co-auth, Behavioral science, social practice and the nursing profession, Case West. Reserve Univ, 68, Small sample field experiments for evaluating patient care, Health Serv. Res, 67 & Race, status, and interaction between patients and hospital personnel, Sociol. Quart, 68. Address: Dept. of Sociology, University of Iowa, Iowa City, Iowa 52240.

WOOLF, DR. GERALD, b. New York, N.Y, Nov. 27, 27; m. 51; c. 2. SPEECH PATHOLOGY, AUDIOLOGY. B.S, City Col. New York, 47; M.S, Pittsburgh, 50; Ph.D. (speech path), N.Y. Univ, 59. Asst. prof. SPEECH, Pa. State, 61-64; Pittsburgh, 64-68; ASSCO. PROF, VERMONT, 68- Speech & Hearing Asn; Psychol. Asn; Speech Asn. Am. Publ: Auth, The easessment of stuttering as struggle avoidance and expectancy, Brit. J. Disorders of Commun, 10/67; co-2uth, The effect of two ear training procedures on the improvement of auditory discrimination and articulation, Except. Children, 5/68. Address: Dept. of Speech, University of Vermont, Burlington, Vt. 05401.

WOOLLEY, DR. DALE EDWARD. Linguistics, Speech Science. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.

WOOLLEY, DR. HERBERT B(ALLANTYNE). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: U.S. Agency for International Development/EAD, APO San Francisco 96352.

WOOLRYCH, DR. EDMUND H(UMPHRY). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Economist, Edmund H. Woolrych Co, 69- Address: 736 Stafford Place, San Diego, Calif. 92107.

WOOLSEY, THEODORE D(WIGHT). Public Health. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: National Center for Health Statistics, 8-05 Parklawn Bidg, 5600 Fisher's Lane, Rockville, Md. 20852.

WORKMAN, DR. AFTHUR DAVID, b. Salt Lake City, Utah, May 22, 25; m. 57; c. 1. COUNSELING & CLINICAL PSYCHOLOGY. B.A, San Francisco State Col, 50, M.A, 54; Ph.D. (counseling psychol), California, Berkeley, 67. Psychologists, Oakland, Calif, 45-48; clin, psychologist, enter alcoholism, Alameda County Dept. Pub. Health, 61-62, asst. proj. dir, Nat. Inst. Ment. Health res, 62-63; clin. psychologist, 68-69; CHIEF CENT. AL-COHOLISM CLIN, Alameda County Ment. Health Dept, 63-68, sr. clin. psychologist, 68-69; CHIEF CENT. AL-COHOLISM CLIN, ALAMEDA COUNTY PUB. HEALTH DEPT, 69- Instr. exten, San Francisco State Col, 56-59; univ. exten, California, Berkeley, 60-61; consult, Camarillo State Hosp, 67-68. U.S.A.F., 43-46. Psychol. Asn. Publ: Co-auth, Children and other people: achieving maturity through learning, Holt, 54, A study of training of electronics and chemical technicians, 61 & The students' cumulative record: underachieved potential, 63, Calif. State Dept. Ed. Address: 8020 Shay Dr., Oakland, Calif. 94605.

WORLEY, DAVID P(ERRY). Forest Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Northeastern Forest Experiment Station, 226 Old Federal Bldg, Columbus, Ohio 43215.

WORLEY, PROF. JAMES S(AMUEL). Economics, Business Administration. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also assoc. provost, 68-, Vanderbilt University, Box 1608, Nashville, Tenn. 37203.

WORTHAM, PROF. A(LBERT) W(ILLIAM). Statistics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New Information: Also pres, Int. Comput. Graphics, Inc. Address: 735 Suny Lane, Byran, Tex. 77801.

WORTHINGTON, DR. ALAN GEORGE, b. Brisbane, Australia, Dec. 30, 35; m. 60; c. 3. EXPERIMENTAL PSYCHOLOGY. B.Com, Queensiand, 60, traveling scholar, 60-62; Ph.D.(psychol), London, 62. Demonstr. PSYCHOL, Queensland, 60; McLaughlin res. & teaching fel, Queen's (Ont), 62-63, asst. prof. 63-65; lectr., Monash, 65-66; assoc. prof., TRENT, 68-69, CHMN. DEPT, 69- Australian Psychol. Soc; Chartered Inst. Secretaries; assoc. Australian Soc. Accountants. Interaction of motivational variables and perceptual processes; application of multidimensional scaling procedures to social psychological problems. Publ: Generalization phenomena associated with previous pairings of USC (shock) and subliminal visual stimuli, J. Personality & Soc. Psychol, 3: 634-640; auth, chap, In: Perception: a laboratory manual, New South Wales Univ, 67; Paired comparison scaling of brightness judgements: a method for the measurement of perceptual defense, Brit. J. Psychol, 60: 363-368. Address: Dept. of Psychology, Trent University, Peterborough, Ont, Can.

WORTHINGTON, PROF. CLARKE S(TEWART), b. Rockford, III, Feb. 26, 30; m. 55; c. 2. PHYSIOLOGICAL PSYCHOLOGY. B.A, Arizona, 56; M.A, Northern Illinois, 64; Nat. Insts. Health fel, Emory, 66-67, Ph.D.(psychol), 68. Asst. prof. PSYCHOL, ARMSTRONG STATE COL, 67-68, asscc. prof. 68-69, PROF. & HEAD DEPT, 69- U.S.A.F, 51-55, 1st Lt. Psychol. Asn. Physiological bases of behavior; animal behavior; primatology and ecology. Publ: Co-auth, Occipital ablation and retention of a visual conditioned avoidance response in the rat, Psychonomic Sci, 67. Address: Dept. of Psychology, Armstrong State College, Savannah, Ga. 31406.

WORTZ, DR. EDWARD CHARLES, b. Schenectady, N.Y. Oct. 28, 30; m. 58; c. 2. PSYCHOLOGY, PHYSIOLOGY, B.A, Texas, 52, Ph.D. (psychol), 57. Res. scientist, radiobiol. lab, Univ. Texas, 34-57; sr. res. engr. Gen. Dynamics Corp, 57-59; prin. engr. Martin-Marietta Corp, 59-62; PROJ. SCI. ENTIST, AIRESEARCH DIV, GARRETT CORP, 62- U.S.N.R, 52-54, Lt. (lg), AAAS; assoc. fel. Aerospace Med. Asn; Soc. Psychophysiol. Res; Human Factors Soc. Psychophysiology of space flight; altered states of consciousness; lumar gravity environments, Publical Quality of life of space-craft, undersea craft and urban environments. Publ: Co-auth, Man's capability for self locomotion on the moon & Observations on lumar gravity suivalation, NASA Center Report, 69; auth, Work in reduced gravity environments, Human Factors, (in press). Address: 628 33rd St, Manhattan Beach, Calif. 90266.

WORTZEL, PROF. LAWRENCE H, b. Newark, N.J. Sept. 28, 32; m. 56; c. 2.
MARKETING, CONSUMER BEHAVIOR. B.S. Rutgers, 54; M.B.A. Harvard,
63, D.B.A. (mkt), 67. Asst. prof. MKT, BOSTON, 65-67, assoc. prof, 67-69,
PROF, 69-Consult, Exec. Off. President of U.S., 68; Soc. Security Admin,
69-U.S.A., 68-67. Mkt. Asn, Econ. Asn. Consumer life styles; interna187-188. Security Admin,
188-189. Security Admin,
189-189. Security Ad

WOUDENBERG, DR. HENRY W, JR, b. Prospect Park, N.J, Sept. 26, 37; m. 62. ECONOMICS. A.B, Calvin Col, 59; M.B.A, Case Western Reserve, 63; Ph.D.(econ), Mich. State, 68. Instr. ECON, Mich. State, 66-67; asst. prof. KENT STATE, 67-70, ASSOC. PROF, 70- U.S.A, 59. Econ. Asn. Mon etary theory and policy; financial institutions; macro-economic theory; regional and development economics. Publ: Co-auth, Money, banking and monetary theory, 69, Instructor's manual to accompany Chandler's money, banking and economic activity, 69 & Money, banking and monetary policy; selected readings, 70, Harper. Address: Dept. of Economics, Kent State University, Kent, Ohio 44240.

WRIGGINS, PROF. HOWARD. Political Science, International Relations. See L-2 Vol, 11th ed, Soc. & Behav. Vols. New publ: The ruler's imperative: strategies for political survival in Africa and Asia, Columbia Univ, 69. Address: Dept. of Political Science, Columbia University, New York, N.Y. 10027.

WRIGHT, DR. ARTHUR LEE, b. Keokuk, Iowa, July 18, 38; m. 61; c. 1. ECO-NOMICS. B.S. Illinois, 61; M.S. Southern Illinois, 62; Ph.D. (agr. econ), Missouri, 70. Trainee, Ill, Prod. Credit Asn, summer 60; instr. econ, Ferris-State Col, 62-65; ECONOMIST, FED. RESERVE BANK OF DALLAS, 69-Agr. Econ. Asn. Determinants of regional economic growth. Address: Federal Reserve Bank of Dallas, 400 S. Akard St, Dallas, Tex. 75202.

WRIGHT, BARTON A, b. Bisbee, Ariz, Dec. 21, 20; m. 49; c. 2. ANTHRO-POLOGY, MUSEOLOGY. B.A, Arizona, 52, M.A, 54. State archaeol. asst, Town Creek Indian Mound, N.C, 49-51; archaeologist, Amerind Found, Ariz, 52-55; CURATOR, MUS. NORTH. ARIZ, 55- U.S.A, 43-45. Asn. Mus. Archaeology; geology. Publ: Upper Pima of San Cayetano del Tumacacori, Amerind Found, 56; co-auth, Throw Stone, Reilly & Lee, 50; auth, This is a Hopi Kachina, Mus. North. Ariz, 65. Address: Museum of Northern Arizona, P.O. Box 1389, Flagstaff, Ariz, 86001.

WRIGHT, DR. CALVIN E(DWARD). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. eval. & res. div, proj. PLAN, 69-, American Institute for Research, Box 1113, Palo Alto, Calif. 94302.

WRIGHT, DR. CARL S(YLVANUS). Clinical Psychology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Chief psychol. serv, 69-, Veterans Administration Center, Hot Springs, S.Dak. 57747.

WRIGHT, PROF. CHARLES R(OBERT). Sociology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. commun. & sociol, 69-, Annenberg School of Communications, University of Pennsylvania, Philadelphia, Pa. 19104.

WRIGHT, DR. HOWARD OLIVER. Marine Biology, Animal Behavior. See Suppl. VI to 11th ed, Phys. & Biol. Vols.

WRIGHT, PROF. JOHN SHERMAN, b. Casselton, N.Dak, May 2, 20; m. 55; c. 2. BUSINESS ADMINISTRATION, MARKETING. Ph.B, North Dakota, 42; el, Southern California, 47-48, M.B.A, 49; summer, Found. Econ. Ed. fel, Kroger Co, 50; Ph.D.(mkt), Ohio State, 54. Instr. mkt, Montana, 49-51;

asst. prof, San Diego State Col, 52-56; assoc. prof, Montana, 56-59, prof, 59-61; assoc. prof, advert, Northwestern, 61-65; prof, mkt, Illinois, Chicago Circle, 65-67; prof. bus, admin. & dean grad. sch, U.S. int. Univ, 67-69; PROF; MKT. & CHINN. DEPT, GEORGIA STATE, 69- Vis. prof, Northwestern, 66-61; summers, Am. Asn. Advert. Agencies Cent. Region Iel, J. Walter Thompson Co, 61 & North Advert, inc, 65, Found. Econ. Ed. Iel, Morton Salt Co, 62, faculty res. grant-in-aid, Northwestern Univ, 63. U.S.A, 42-46, 1st Lt. Mkt. Asn; Acad. Advert. Promotion and demand stimulation; ethnic markets; advertising management; advertising and society. Publ: Coauth, Advertising, 62 & 66 & Speaking of advertising, 63, McGraw; New ideas for successful marketing, Am. Mkt. Asn, 66. Address: Dept. of Marketing, Georgia State University, Atlanta, Ga. 30303.

WRIGHT, DR. JOHN W(ILLIAM). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: c/o Cosmos Club, 2121 Massachusetts Ave, N.W., Washington, D.C. 20008.

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WRIGHT, DR. LOCAN, b. Wellington, Kans, Dec. 6, 33; m. 55; c. 3. PSY-CHOLOCY. A.B., Oklahoma Baptist, 56; M.A., George Peabody Col, 62, Ph.D., 64; Nat. Insts. Health fels, N.C. Mem. Hosp, 62-64. Instr., Bethel Col, 58-61; ress. asst, George Peabody Col, 61-62; instr., North Carolina, 63-64; ASST. PROF. child clin. psychol, Purdue, 64-65; PEDIAT, PSY-CHIAT. & BEHAV. SCI, MED. CENTER, OKLAHOMA, 66-, DR. PSYCHOL. SERV, CHILDREN'S MEM. HOSP, 66- Grants, Off. Ed, U.S. Dept. Health, Ed. & Wellare, U.S. Soc. & Rehab. Serv, U.S. Pub. Health Serv. & Nat. Inst. Ment. Health; intramural grants, Univ. Oklahoma Med. Sch. Gen. Res. Cmt. Planning dry, Univ. Affiliated Faculty Ment. Retardation, Oklahoma Health Center; mem, em. progs. & facilities human developed a ment. retardation, Oklahoma Health Center; mem, em. progs. & facilities human developed ment. retardation, Oklahoma Health Center; mem, em. progs. & facilities human developed ment. Retarded Children; New World Montessori Sch. Psychol. Asn; Soc. Res. Child Develop. Classdy Sch. Ment. Retardation Prog; Dale Rogers Sch. Ment. Retarded Children; New World Montessori Sch. Psychol. Asn; Soc. Res. Child Develop. Clinical child psychology; pediatric and developmental psychology. Publ: Behavioral tactics for reinstating natural breathing in tracheostomy-addicted infants, Pediat. Res. (in press); co-auth, Reminiscence in normals and defectives, Am. J. Ment. Deliciency, (in press) & Factor structure of an expanded sociometric device for measuring personal effectiveness, Ed. & Psychol. Measurement, (in press); plus others. Address: Dept. of Pediatrics; Children's Memorial Hospital, 800 N.E. 13th, Oklahoma City, Okla. 73104.

WRIGHT, DEAN MILBURN D, b. Madera, Calif, Apr. 21, 10; m. 43; c. 1. SOCIAL & BEHAVIORAL SCIENCE. A. B. Fresno State Col., 31; M.S. California, Berkeley, 36; Ed. D.(ed. admin), 47. Teacher, high sch. Calif. 32-36; Fresno Tech. High Sch. & Jr. Col., 36-39; from instr. to assoc. prof. MKT, SAN JOSE STATE COL., 39-49, PROF., 49-, DEAN SCH. BUS, 61-, from head to chmn. div. bus, 56-61. Consult, various indust, 40- Participant, Temple Univ. Nat. Survey Distribution Ed, 58-59; mem, West. Col. Asn. Accreditation Team. Mkt. Asn; Soc. Adv. Mgt; Nat. Bus. Ed. Asn. Marketing, especially salesmanship and sales management. Publ: Co-auth, Salesmanship, principles and methods, Irwin, 51, rev. ed, 66. Address: Dept. of Marketing, School of Business, San Jose State College, Washington Square, San Jose, Calif. 95114.

WRIGHT, PROF. QUINCY. International Law. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Correction: Emer. prof, Virginia, 61. Address: 906 Fendall Terr, Charlottesville, Va. 22903.

WRIGHT, DR. WILLIAM WOODRUFF, JR. Economics, Business Administration. See L-Z Vol. 11th ed. Soc. & Behav. Vols. New information: Prof, Georgia, 69- & chmn, div. econ. & bus. admin, Macon Jr. Col, 69- Address: 4955 Guerry Dr. Macon, Ga. 31204.

WRIGHTSTONE, DR. J(AY) WAYNE. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Independent ed. consult, 70- Address: 21 Hickory Rd, Summit, N.J. 07901.

WRIGHT-VON CONRAD, GEORGIA BERNADETTE, b. Waller, Tex, Mar. 22, 25; m. 60. SPEECH PATHOLOGY, NURSING EDUCATION. B.S. Houston, 52; Stephen F. Austin State Col, 52; M.Ed. Houston, 54; M.A. Jova, 55; M.S. Purdue, 59. Surg, asst, dept. surg, Mem. Hosp, 47-50; dir. nursing ed. Methodist Hosp, 55-56; teaching asst. clin. psychol, Purdue, 56-59; exec. asst. dir. nursing admin, St. Elizabeth Hosp, 59-65; dir. nursing ed. Beth-any Hosp, 65-69; DIR. NURSING ADMIN. & ED. LUTHERAN HOSP. ST. LOUIS, 69-Speech consult, Human Rels. Res. Fund, 59-; Ambia Sch. Except. Children, 65- Nurse C, U.S.A. 44-46. AAS; Speech & Hearing Asn, Acad. Polit. & Soc. Sci. Psychological research, especially manifest anxiety and its concomitant effect on speech; milleu factors relating to the performance of hospital personnel and especially relevant to advanced training in nursing education. Publ. Co.-auth, Paired associate learning in articulation disorders, Nervous Child, 55; auth, A factorial analysis of attribution in nursing students, Nursing Sci, 56. Address; P.O. Box 22114, St. Louis, Mo. 63116.

WU, DR. SILAS HSIU-LIANG. Modern Chinese History, Government. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

WUNDERLICH, PROF. RICHARD A(UGUST). Psychology. See L-Z Vol, 11th ed, 50c. & Behav. Vols. New information: Also assoc. head dept. psychol, Catholic Univ, 68-; consult, Prince Georges County Courts, 69- Address: Dept. of Psychology, Catholic University, Washington, D.C. 20017.

WYAND, DR. MARTIN JUDD. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Assoc. prof. econ, Denver, 69- Address: 2213 S. High St, Denver, Colo. 80210.

WYATT, DR. RICHARD J, b. Los Angeles, Calif, June 5, 39; m. 65. PSY-CHIATRY, PHARMACOLOGY. B. Phil, Hopkins, 61 M.D, 64. Intern. pediat, sch. med, Western Reserve, 65; res. PSYCHIAT, Harvard, 67; CLIN. ASSOC, LAB. CLIN. PSYCHOBIOL, NAT. INST. MENT. HEALTH, 67-Consult, Falls Church Sch. Syst, 68-69. U.S.P.H.S, 67-69, Lt. Comdr. Asn. Psychophysiol. Study Sleep; Psychiat. Asn. Pharmacology and physiology of sleep

and psychiatric disorders. Publ.: Co-auth, Longitudinal studies of the effect of monoamine oxidase inhabitors on sleep in man, Psychopharmacologia, 15: 238-244, Effects of para-chlorophenylalanine of sleep in man, Electroencephalog. Clin. Neurophysiol, 27: 529-532 & Sleep disturbance in acute schizophrenic patients, Am. J. Psychiati, 3/70. Address: National Institute of Mental Health, WAW Bidg, St. Elizabeths Hospital, Washington, D.C. 20032.

WYKOFF, DR. FRANK C, b. Oakland, Calif, Feb. 20, 42; m. 65; c. 1. ECO-NOMICS. A.B, California, Berkeley, 63, M.A, 65, Ph.D.(econ), 68. Teaching asst. ECON, California, Berkeley, 64-67, instr, 67-68; ASST. PROF, POMONA COL, 68- Econ. Ass.; Economet. Soc. Demand for money and consumer durables, mainly automobiles. Publ: Capital depreciation in the post war period: automobiles, Rev. Econ. & Statist, (in press). Address: 125 E. 118 St, Claremont, Calif. 91711.

WYNAR, DEAN BOHDAN STEPHAN. Economic History, Bibliography. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

WYND, DR. WILLIAM RUSSELL, b. Oklahoma City, Okla, Jan. 28, 33; m. 59; c. 2. MARKETING, ECONOMICS. B.S. Oklahoma State, 56; H.E. Westervelt fel. & M.S., Auburn, 63; M.B.A., Mich. State, 67, Ph.D. (forest econ), 69. Instr. Iorestry, Michigan Tech, 64-65; res. asst. FOREST ECON, Mich. State, 65-67; ASSOC. PROF, MICHIGAN TECH, 67- U.S.A., 56-62, Capt. Osc. Am. Foresters; Mkt. Asn. Economics and marketing of forest products. Publ. Co-auth, Executive search for the small firm, J. Small Bus. Mgt, Vol. 5, No. 1, Pulp shipper-carrier cooperation improving. The Timber Producer, 5/69 & State-sponsored market publications for the lumber and wood products industry, Northern Logger, 6/69. Address: 1113 College Ave, Houghton, Mich. 49331.

WYNNE, DR. RONALD D(AVID). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Dir. planning & eval, Volt Info. Sci, Inc, 68-Address; 3606 Norton Place N.W, Washington, D.C. 20016.

WYSPIANSKI, DR. JOHN O, b. Grudxiadz, Poland, Feb. 15, 29; Can. citizen; m. 69. PSYCHOLOGY. B.A. Ottawa, 57, M.A. 61, Ph.D. (psychol), 63. Lectr. GUID-COUNSELING, OTTAWA, 61-63, asst. prof, 63-66, ASSOC. PROF, 66-, supvr. interns in psychol, 61-66. Consult. clin. psychologist, rehab. centre, 8t. Vincent Hosp, Ottawa, Ont, 63-; Nat. Delence Med. Center, 67-68; Ont. Dept. Ed. Toronto, 67-68; Arnprior Sch. Bd, 68-69; rehab. inst, Royal Ottawa Hosp, 68-; res. consult, Fed. Defence Res. Bd, Toronto, 68-Am. Psychol. Asn; Am. Personnel & Guid. Asn; Can. Psychol. Asn; Interam. Soc. Psychol. Psychological correlates of central nervous system trauma; rehabilitation of patients suffering from chronic physical disorders; psychodiagnostics. Publ. Brain wave amplitude and creative thinking. Revue de l'Université d'Ottawa, 63; co-auth, Early environmental effects on rat photic evoked potentials, Revista Interamericana de Psycologia, 68 & Effect of differential rearing on photic evoked potentials and brightness discrimination in the albino rat, Develop. Psychobiol, 69. Address: Dept. of Theoretical & Experimental Psychology, University of Ottawa, 1245 Kilborn Ave, Ottawa & Ottawa, Ottawa, & Ottawa, & Ottawa, & Ottawa, & Ottawa, & Ottawa

Y

YABLONKY, PROF. BEN L(OUIS). Journalism. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: University of Michigan, 2020 Literature Science & Arts Bidg., Ann Arbor, Mich. 48104.

YAMAHIRO, DR. ROY S(HIGEKI). Physiological Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: V.pres. & dir, staff & orgn. develop, URS Systs. Corp, San Mateo, 69- Address: 11 Mariposa Court, Burlingame, Calif. 94010.

YAMAUCHI, DR. HIROSHI, b. Maui, Hawaii, Nov. 15, 32; m. 63; c. 1. AGRI-CULTURAL ECONOMICS. B.S, Hawaii, 51; B.S, California, Berkeley, 64, Ph.D. (agr. econ), 68. Chemist, Calif. Chem. Corp, 61-63; res. agr. econ-mist, California, 66-68; ASST. PROF. AGR. ECON, HAWAII, 68- U.S.A, 55, 1st Lt. Agr. Econ. Asr., Nat. Tax Asn. Natural resource economics; groundwater quality conservation; estuarine pollution economics; state and local water institutions in Hawaii; public administration and finance. Publ: Co-auth, Estuarine pollution in Hawaii; Water Resources Res. Center, Univ. Hawaii, 70 & Alternative approaches to estimating the value of bait in Kaneohe Bay, Hawaii, Water Resources J. 70. Address: College of Tropical Agriculture, University of Hawaii, Honolulu, Hawaii 96820.

YAN, DR. CHIOU-SHUANG J, b. Tainan, Taiwan, Oct. 7, 34; m. 60; c. 2. ECONOMICS, MATHEMATICAL ECONOMICS. B.A. Taiwan, 60; M.S. Purdue, 62, Ph.D. (econ), 66. ASST. PROF. ECON, Haverford Co., 65-67; DREXEL, 67- Summers, consult, Paulsboro Lab, Mobil Oil Corp, 64, info. specialist, 68; asst. prof. Univ. Pennsylvania, 66. Input-output; technical change; linear programming. Publ: Introduction to input-output economics, Holt, 69; co-auth, Economic interrelatedness, Rev. Econ. Studies, 10/65; auth, Technical change and investment, Krannert Grad. Sch, Purdue Univ, 3/66. Address: 6 Huron Way, Trenton, N.J. 08638.

YANCEY, DR. WILLIAM LAYTON, b. Chipley, Fla, Aug. 6, 38; m. 61. SOCI-OLOGY. B.S. Fla. State, 61; M.A. Washington (St. Louis), 63, Ph.D. (sociol), 67. ASST. PROF. SOCIOL, Washington (St. Louis), 67-68; VANDERBILT, 68- U.S.A. R, 56-63. Sociol. Asn; Soc. Study Soc. Probs. Urban poverty; housing; race relations; stratification. Publ: Co-auth, The Moynhan report and the politics of controversy, MIT Press, 67 & Black families and the White House, Transactions, 66, auth, Intervention as a strategy of social inquiry, Soc. Sol. Quart, 63 Address: Box 1811, Station B, Vanderbilt University, Mashville, Tenn. 3/208.

YANEY, DR. JOSEPH P, b. Scranton, Pa, May 11, 39; m. 64; c. 1. MANAGE-MENT SCIENCES. A. B., Michigan, 61, M.B.A. & J.D., 64, Ph. D. (bus), 69. Prog. dir, center for programmed learning for bus, Michigan, 66-68; ASST. PROF. MGT. SCI, OHIO STATE, 69- U.S.A, 64-66, Capt. Acad. Mgt; Soc. Training & Develop; Indust. Rels. Res. Asn. Adult learning problems as conditioned by individual and organizational differences emphasizing self-instructional systems. Publ: Co-auth, Managing the instructional program effort, Univ. Mich, 67 & Labor relations for the supervisor, Addison, 68; auth, Predicting programmer performance, Am. Soc. Training & Develop. J, 1/70. Address: 307 Hagerty Hall, Ohio State University, Columbus, Ohio 43210.

YANG, DR. RICHARD HSIUH. Political Science. See 5th ed, Dir. Am. Scholars, Vol. I, Hist.

YARBOROUGH, PROF. KEMP P(LUMMER). Political Science, History. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. hist. & constitutional law & chmn, 69-, Dept. of History & Government, Texas Woman's University, Denton, Tex. 78204.

YARBROUGH, DR. MILTON THOMAS, b. Dallas, Tex, Aug. 29, 38; m. 56; c. 4. PSYCHOLOGY, RELIGION. B. A., Howard Payne Col. 62; M. Relig, Ed, Southwest. Baptist Theol. Sem, 67, Ed. Di(spychol), 69; summer, Texas Christian, 68. Mission pastor, Baptist Chapel, Brady, Tex, 60-63; asst. dir, marriage & family counseling center, Southwest. Baptist Theol. Sem, 63-68; dir, North Dallas Counseling Center, 68-69; COUNSR. & LECTR. PSYCHOL, OKLA-HOMA BAPTIST, 69-Pastor, First Baptist Church, Krum, Tex, 63-68; dir. counseling, Calvary Baptist Center, Garland, 69. Mem, north regional Okla, Gov. Youth Coun, 69-Nat. Coun. Family Rels. Group dynamics in industrial counseling; views of college youth on a privately owned college campus; programmed instruction materials for counseling purposes. Publ: Co-auth, Management action program, Independent Adj, 68; auth, Historical development, In: Developmental psychology, Broadman, 70. Address: Box 817, Oklahoma Baptist University, Shawnee, Okla. 74801.

YARCZOWER, PROF. MATTHEW. Experimental & Comparative Psychology. See L-Z Vol, 1th ed, Soc. & Behav. Vols. New position & address: Assoc. prof, 68-, Dept. of Psychology, Bryn Mawr College, Dalton Hall, Bryn Mawr, Pa. 19010.

YARWOOD, DR. DEAN L, b. Decorah, Iowa, Mar. 17, 35; m. 56; c. 5. POLITICAL SCIENCE. B.A, Iowa, 57; M.A, Cornell, 61; Ph.D. (polit. sci), Illinois, 66. Teacher, Mid-Prairie Community Sch, 57-59; asst. prof. POLIT. SCI, Coc Col, 63-66; Kentucky, 66; MISSOURI-COLUMBIA, 67-70, ASSOC. PROF, 70-, summer faculty fel, 70. Polit. Sci. Asn. Public administration; American politics. Publ: Legislative persistence: a comparison of the United States Senate in 1850 and 1860, Midwest J. Polit. Sci, 11: 193-211 & Norm observance and legislative integration: the U.S. Senate in 1850 and 1860, Soc. Sci. Quart, 6/70; A failure of coalition maintenance: the defection of the South prior to the Civil War, In: The study of coalition behavior: theoretical perspectives and cases from four continents, Holt, 70. Address: Dept. of Political Science, University of Missouri-Columbia, Columbia, Mo. 65201.

YATES, DR. LOUISE G, b. Ft. Worth, Tex, July 20, 23; div. PSYCHOLOGY. B.A, Texas Christian, 57, M.A, 60; Ph.D. (psychol), North Carolina, Chapel Hill, 67. Asst. prof. psychol, Texas Christian, 65-67; RES. PSYCHOLOGIST, U.S. ARMY BEHAV. SCI. RES. LAB, 67. Psychol. Asn; Soc. Psychol. Study Social Issues. Personnel measurement and evaluation; psychometrics; clinical psychology. Address: 437 Second St. S.E, Washington, D.C. 20003.

YAUTZ, PROF. BORIS, b. Tillis, Russia, June 4, 23; U.S. citizen; m. 48; c. 3.
MANAGEMENT, ORGANIZATIONAL BEHAVIOR. B.A, Cambridge, 43, M. A, 63; M.S. Columbia, 48, Ford Found, el., 62-64, Ph.D (bus), 64. Consult.
econ. develop, Jewish Agency for Palestine, 48-49; chief mgt. consult, werner Mgt. Consults, 49-56; exec. v.pres, Simbar Develop, Corp. 56-63; assoc. prof. BUS. MGT. GRAD. SCH. BUS, COLUMBIA, 64-69, PROF, 69- Proj. dir. & staff mem, Conserv. Human Resources Inst, Columbia, 65-ci distinguished lectr, mgt. develop, prog., Univ. Houston, 68-69. Consult, New York City Planning Cmn, 66- Soc. Mech. Eng. inst. Mgt. Sci. The management of complex organizations, especially the impacts of computers, automation and quantitative techniques on organization structure and the functions of the manager. Publ: Collab, The managerial mind, Irwin, 64; auth, Automation in commercial banking—its process and impact, Free Press, 67; Electronic data processing: lessons for metropolitan economics, Columbia, 67. Address: Dept. of Management, Columbia University Graduate School of Business, New York, N.Y. 10027.

YEAGER, JOHN G(EORGE). Criminology, Social Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Dir. bureau criminal justice statist, Pa. Dept. Justice, 68- Address: Box 200, Camp Hill, Pa. 17011.

YEAGER, PROF. LELAND B(ENNETT). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Paul Goodloe McIntire prof. econ, 69-, Dept. of Economics, University of Virginia, Rouss Hall, Charlottesville, Va. 22901.

YEAGER, DR. RODGER D(EAN), b. Pittsburgh, Pa, Oct. 18, 39; m. 69. PO-LITICAL SCIENCE & SOCIOLOGY. A.B. Pittsburgh, 61, Nat. Defense Ed. Act & Ford Found. fels, Syracuse, 66-68, Ph.D. (golit. sci), 68. Consult, Govt. Tanzania, East Africa, 64-66; ASST. PROF. POLIT. SCI, WEST VIR-GINIA, 67-, CHMN. AFRICAN STUDIES, 68- West Virginia Univ. faculty res. grant, 69- & field res. grant for Africa, 70-71; U.S. Off. Ed. grant for East Africa, 70. Polit. Sci. Asn; fel. African Studies Asn. Micropolitical institutionalization and decision-making theory; comparative micropolitical process; rapid behavioral change theory; African political process. Publ. Micropolitics and transformation: theoretical notes from the Tanzania experience, Syracuse Univ. Occasional Papers, 67, Micropolitics in rural Africa, Can. J. African Studies, winter 69 & Micropolitics and repopilities and development: notes for an Africa-Appalachia comparison, Proc. W.Va. Polit. Sci. Asn, 70. Address: Dept. of Political Science, West Virginia University, Morgantown, W.Va. 26506.

YEATES, PROF. MAURICE HENRY. Geography. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof, 70-, Dept. of Geography, Queen's University, Kingston, Ont, Can.

YETT, DR. DONALD, b. Long Beach, Calif, Jan. 30, 31; m; c. 2. ECONOM-ICS. A.B, California, Berkeley, 52, Ph.D.(econ), 68. Instr. econ. & res. assoc, Ohio State, 58-61; instr. econ. & res. proj. dir, Washington (St. Louis), 61-65; lectr. bus. econ. & quant. anal, SOUTHERR CALIFORNIA, 65-66, asst. proj. bus. econ. & finance, 66-69, ASSOC. PROF. BUS. ECON, 69-, DIR. HUMAN RESOUNCES RES. CENTER, 66- Lectr. & asst. res. economist, California, Los Angeles, 65-66. Consult, Med. Econ, Inc, 66-; St. Louis County Health Dept, 70-; sch. med, Univ. South. Calif, 70- Mem, prog. rev. cmt. for Nurse Training Act of 1964, U.S. Dept. Health, Educ. & Welfare, 67; res. nursing patient care grant appin. rev. cmt, Bur. Health Manpower, U.S. Pub. Health Serv, 67-70; ad hoc cmt, U.S. Pub. Health Serv. Community Profile Data Center, 68- Econ. As., 1 Health Econ. Res. Asn. Economic studies relating to human capital. Publ: The supply of nurses: an economist's view, Hosp. Progress, 2, 66; co-auth, Methods of estimating occupational attrition, West. Econ. J, 9/68; auth, Lifetime earnings for mirses in comparison with college-trained women, Inquiry, 12/68. Address; Human Resources Research Center, Research Institute for Business & Economics, Graduate School of Business Administration, University of Southern California, University Park, Los Angeles, Calif. 90007.

YOKSIMOVICH, DR. ILLIA M, b. Pavino-Pole, Yugoslavia, Dec. 23, 14; U.S. citizen; m. 50; c. 2. POLITICAL SCIENCE. B.LL, Belgrade, 39; M.A. & D.LL, Paris, 51; M.A. Southern California, 63. Asst. to prof. int. law, Paris, 50-51; instr. French & Russian hist, Webb Sch, Tenn, 63-66, ASSOC. PROF. POLIT. SCI, SHAW, 66. Modern Lang, Asn. Am; Am. Acad. Polit. & Soc. Sci; Asn. Adv. Slavic Studies; French Soc. Comp. Legis. Publ: Propaganda, Sloga Yearbook, Perth, Australia, 53; Yugoslavia's young intellectual rebels, Yugoslav Rev, London, 12/68. Address: 220 E. Drewry Lane, Drewry Hills, Raleigh, N.C. 27609.

YOLANDE, SISTER M. O.S.F. Economics, Political Science. See SCHULTE, SISTER M. YOLANDE, O.S.F, this Suppl.

YOON, DR. B. MAN, b. Seoul, Korea, Sept. 22, 33. MANAGEMENT, PUBLIC ADMINISTRATION. A.B., Monmouth Col, 58, M.P.A., N.Y. Univ, 60, Ph.D. (mgf), 64. Instr., pub. admin, Mich. State, 62-63; ASST. PROF. MGT, Notre Dame, 65-68; FORDHAM, 68- Found. Econ. Ed. faculty fel. 68; vis. lectr., Teachers Col, Columbia, 69- Consult, Velsicol Chem. Corp. Northwest Indust, 68. Acad. Mgt. Soc. Int. Develop; Soc. Pub. Admin. Human relations and organizational behavior; managerial psychology; public relations; communications; international and comparative management; planning theory; personnel administration; application of administrative and organization theories. Publ: Administration in large scale nonbusiness enterprises, Univ. Notre Dame, 66; Management discipline in a school of administration, 9/68 & A theoretical model of organizational dysfunctions, 9/68, Acad. Mgt. J. Address: College of Business Administration, Box 777, Fordham University, Bronx, N.Y. 10458.

YOON, DR. TAE-HEE, b. Kyungnam, Korea, Oct. 13, 35. AGRICULTURAL ECONOMICS. LL.B, Dong-Kook, 59; M.A, Seoul, 63; Fulbright grant, Connecticut, 64, Ph.D. (agr. econ), 67. Prog. officer, U.S. Agency for Int. Develop. Mission to Korea, 59-62; sr. economist, UN Korean Uplands Proj. 62-64; asst. agr. econ, Connecticut, 64-67; asst. prof. econ, Nichols Col, 67-68; Lakehead, 68-69; sr. economist, Can. Dept. Manpower & Immigration, 69-70; Dom. Bur. Statist, 70; AGR. ECONOMIST, THE WORLD BANK, 70-Gen. Elec. Found, grant, 68. Am. Econ. Asn, 7m. Agr. Econ. Asn; Can. Econ. Asn. Benefit-cost analysis; economics development and trade, Address: Agriculture Projects Dept, The World Bank, 1818 H St. N.W, Washington, D.C. 20433.

YORGASON, DR. VERNON W(AYNE), b. Claresholm, Alta, June 27, 39; m. 62; c. 3. ECONOMICS, STATISTICS. B.S. A, Toronto, 62; M.S. Kansas State, 67, Ph.D. (econ), 70. Instr. econ. & mkt, Toronto, 62; economist, commodity anal. sect, econ. br, Can. Dept. Agr, 62-65, mkt. reporting coordinator, mkt. info. sect, prod. & mkt. br, 65-66; ASST. PROF. ECON. & STATIST, KANS. STATE COL. PITTSBURG, 68- Consult, Agr. Econ. Res. Coun. Can. 69- Econ. Asn; Can. Agr. Econ. Soc. Application of economic theory and econometric techniques to the solution of problems in the spheres of agriculture, economic development and international trade, especially agriculture in economic development. Publ: Demand and supply in the Canadian led-d-livestock economy, 69, The Canadian livestock-red meat economy, 70 & Agriculture in Canadian economic development, (in prep), Agr. Econ. Res. Coun. Can. Address: Dept. of Economics, Kansas State College of Pittsburg, Pittsburg, Kans. 66762.

YOSHIHASHI, PROF. TAKEHIKO. International Relations. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New publ: Contrib, National security: strategy for the seventies, Prentice-Hall, 70. Address: School of International Studies, American University, Washington, D.C. 20016.

YOST, EARL K(NISELY), JR. Mathematical Statistics. See L-2 Vol, 11th ed, Soc. & Behav. Vols. New position: Chief sect. math. & statist, interstate commerce cmm, 69- Address: 723 Hillsboro Dr, Wheaton, Md. 20902.

YOUNG, ARTHUR F(RANKLIN), b. New York, N.Y. Sept. 26, 25; m. 50; c. 6. STATISTICS. A.B. Cornell, 50; North Carolina, Chapel Hill, 50-52. Regional dir, U.S. BUR. CENSUS, N.Y. 58-61, CHIEF HOUSING DIV, D.C. 62-Staff asst. census & govt. statist. subcmt, cmt. post off. & civil serv, U.S. House Rep, 61; statist. consult, Kerner Cmn. on Civil Disorders, 67; Banco Nacional Aborio Prestamo, Caracas, Venezuela, 69. U.S.A.A.F, 45-47, S/Sgt. Statist. Asn; Soc. Planning Off. Research methodology in housing and urban problems. Address: Housing Division, U.S. Bureau of the Census, Suitland, Md. 20233.

YOUNG, DR. CHARLES E(DWARD). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Chancellor, 68-, University of California, Los Angeles, Calif. 90024.

YOUNG, DR. DALLAS M. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. labor rels, 70-, Dept. of Organizational & Administration School of Management, Case Western Reserve University, 332 Baker Bidg, Cleveland, Ohio 44106.

- YOUNG, DR. DONALD R(AMSEY). Sociology. See L-Z Vol. 11th ed, Soc. & Behav. Vols. New information: Retired, 69. Address: R.D. 1, Macungle, Pa. 18062.
- YOUNG, PROF. FLORENE M(ARY). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Emer. prof. psychol, Georgia, 69-Address: 608 Citizen's Southern Bank Bldg, Athens, Ga. 30601.
- YOUNG, DR. H(UGH) EDWIN. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Prof. econ. & chancellor, 68-, University of Wisconsin, Madison, Wis. 53706.
- YOUNG, DR. JAMES ELMER. Economics, Industrial Relations. See 11th ed, Soc. & Behav. Vols, deceased 69.
- YOUNG, PROF. JOHN H. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: Chmn, 69-, Prices & Incomes Commission, Trebla Bldg, 473 Albert St, Ottawa, Ont, Can.
- YOUNG, DR. JOSEPH L(ESLIE), b. Chicago, Ill, July 26, 40; m. 64; c. 2. MATHEMATICAL PSYCHOLOGY. B. A, Yale, 62, Nat. Detense Ed. Act fel, Standord, 62-65, Nat. Inst. Ment. Health fel, 55-66, Ph.D. (bysychol), 66. Summers, intern psychol, Syst. Develop. Corp, 62, assoc. mem. tech. staff, Beil Tel. Labs, 63, ASST. PROF. PSYCHOL, STATE UNIV. N.Y. STONY BROOK, 65- Nat. Inst. Ment. Health grant, 68-71; summer, State Univ. N.Y. Res. Found grant, 67. AAAS, Psychol. Asn. Experimental psychology, learning, verbal learning; paired-associate learning; memory. Publ. Effects of intervals between reinforcements in paired-associate learning. J. Math. Psychol, 271. Address: Dept. of Psychology, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.
- YOUNG, DR. NORMAN. Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Pres, 69-, 1TT Levitt Development Corp, 1345 Avenue of the Americas, New York, N.Y. 10019.
- YOUNG, PROF. PAUL C(AMPBELL). Psychology. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Resigned Northern Michigan, 69; emer. prof, La. State, 60- Address: 477 E. Riveroaks Dr, Baton Rouge, La. 70815.
- YOUNG, DR. PHILLIP D, b. Ottawa, Ill, Oct. 18, 36; m; c. 5. CULTURAL ANTHROPOLOGY. B.A, Illinois, Urbana, 61, Nat. Insts. Health fel, 61-66, Ph.D.(anthrop), 68; summer, fel, Oregon, 67. ASST. PROF. ANTHROP, OREGON, 68-D ir, Washington State-Oregon Field Sch. Anthrop. & Ling, Mex, summer 69. U.S.A, 55-58, Res. Anthrop. Asn; Soc. Ethnohist. Archaeology; social anthropology; linguistics; Latin America; ethnohistory of Central America; revitalization movements; colonization. Publ: Co-auth, Colonization as a research frontier: the Ecuadorian case, in: Process and pattern in culture, Aldine, 64; auth, A structural model of Ngawbe marriage, Ethnology, 70. Address: Dept. of Anthropology, University of Oregon, Eugene, Ore. 97403.
- YOUNG, DR. RAYMOND W(ARREN). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Asst. U.S. attorney & chief civil div, Dept. of Justice, 70-Address: 6117 Newkirk Ave, North Bergen, N.J. 07047.
- YOUNG, PROF. RICHARD D(ONALD). Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Prof. econ. & math. sct, 69-, Dept. of Economics, Rice University, Houston, Tex. 77001.
- YOUNG, DR. RICHARD K. Religion, Pastoral Psychology. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- YOUNG, DR. ROBERT A(LTON). Agricultural Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position: Res. assoc, 69-, Resources for the Future, Inc, 1755 Massachusetts Ave, Washington, D.C. 20036.
- YOUNG, PROF. ROBERT F. Rhetoric, Interpretation. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- YOUNG, DR. WILLIAM HARVEY. Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Retired, 69. Address; 2617 31st St. N.W., Washington, D.C. 20006.
- YOUNG, PROF. WILLIAM H(ENRY). Political Science. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 67-, Center for Development, University of Wisconsin, Room 322 North Hall, Madison, Wis. 53706.
- COUNGLING, DR. EDWARD WILLIAM, b. New York, N.Y, Jan. 13, 36; m. 58; c. 3. EXPERIMENTAL & ENGINEERING PSYCHOLOGY. B.A, Massachusetts, 60, M.S, 62, Ph.D. (exp. psychol), 65. Res. asst. environ. stress human & animal performance, inst. Environ. Psychophysiol, Univ. Massachusetts, Amherst, 59-62; res. psychologist, Natick Labs, U.S. Army, Mass, 62-65; STAFF ENG. PSYCHOLOGIST, McDONELL DOUGLAS, Child, Louis, 65-67; Washington Univ, 65- U.S.A, 54-56. Psychol. Asn, Human Factoris Soc. Animals and humans in psychophysiological effects of stressful environments and its implications to motivational theory and applied military problems; experimental and engineering psychology, especially simulations within astronautics and aeronautics. Publ. The effects of ambient temperature and sleep deprivation upon performance in concurrent central and peripheral tasks, Univ. Mass, 65; co-auth, Acclimatization, habituation, motivation and cold exposure, J. Comp. Psychol. & Physiol, 6/62 & High Idelity simulations in the evaluation of environmental stress: acute CO: exposure, Ann. Aerospace Med. Asn. Meeting, 5/69. Address: 14846 Phelps Dr, Bridgeton, Mo. 63044.
- YOUNGS, DR. EDWARD ARTHUR, b. New York, N.Y., Mar. 7, 42; m. 64. PSYCHOLOGY, HUMAN FACTORS. B.A., Dartmouth Col., 64; M.A., North

- Carolina, Chapel Hill, 68, Ph.D.(psychol. & info. sci), 69. Res. asst. advert. res, E.I. du Pont de Nemours & Co, summer 66; MEM. TECH. STAFF, BELL TEL. LABS, 69 Psychomet. Soc; Asn. Comput. Mach. Quantitative psychology and psychological measurement; scaling; statistics; computational linguistics; human factors in compiler-languages. Address: Bell Telephone Labs, Holmdel, N.J. 07733.
- YOUNGS, PROF. G. RODERICK, b. Grand Haven, Mich, Jan. 6, 11; m. 36; c. 1. PSYCHOLOGY, A. B. Calvin Col, 32; Th. B. 35; M.A. Mich. State, 40; George Williams Col, 40-41; Chicago, 41; Ed. D. Counseling), Loyda, 61. Minister, Lansing Christian Reformed Church, 35-40; counselor, Chicago YMCA, 41-49; Chicago Christian High Sch, 49-53; prin, Timothy Christian High Sch, 53-65; PROF. ED, CALVIN COL, 65-66, PSYCHOL, 66- Coordinator student counseling, 69. Consult, Tri-city Med. Center, 66-65; Calvin Psychol. Inst. 65- Marriage counseling; psychological theory; psychopathology; psychotherapy. Address: Dept. of Psychology, Calvin College, Grand Rapids, Mich. 49506.
- YOURMAN, DR. JULIUS. Psychology, Sociology. See 11th ed, Soc. & Behav. Vols, deceased 69.

Z

- ZABARENKO, DR. LUCY MILDRED. Physiological Psychology. See 12th ed, Phys. & Biol. Vols.
- ZAFFIRO, DR. WILLIAM R, b. Olyphant, Pa. Feb. 20, 36; m. 68; c. 4. PSY-CIBOLOGY, B. A. Duke, 58; B. Th. Yanton Col., 62; M.S. MacMurray Col., 62; Ph.D. (psychol), Southern Mississippi, 69. ASSOC. PROF. PSYCHOL, STATE COL. ARK, 65. Dir. Ed. Exam. Inst. summer 67. Serial learning. Address: Box E, Dept. of Psychology, State College of Arkansas, Comway, Ark. 72032.
- ZALTMAN, DR. GERALD, b. Boston, Mass, July 9, 38; m. 68. SOCIOLOGY.
 A.B, Bates Col, 60; M.B.A, Chicago, 62; Ph.D.(sociol), Hopkins, 68. ASST.
 PROF. BEHAV. SCI, NORTHWESTERN, 68. Sociol. Asn; Mkt. Asn. Social
 change; diffusion of innovations; sociology of science; consumer behavior.
 Publ: Marketing: contributions from the behavioral sciences, Harcourt, 65.
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- ZANER, DR. RICHARD M(ORRIS). Philosophy. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- ars, vol. 1V, Philos, Relig. & Law.

 ZANER, PROF. THEODORE, b. New York, N.Y, Aug. 22, 18; m. 47; c. 1.

 INDUSTRIAL RELATIONS, MANAGEMENT. B.S, City Col. New York, 40;

 Polytech. Inst. Brooklyn, 40-46; M.A, Columbia, 49, Ed. D. (mgt. develop), 55.

 Apprentice sheetmetal worker, U.S. Dept. Navy, 39-42, mechanic, 42, instr., 42-45, sr. training supvr. indust. training, 45-49, training supt, 49-56, dep. indust. rels. e. pub. info. officer, 60-65; PROF. INDUST. RELS, NEWARK COL. ENG, 65- Instr., evening sch. Pratl Inst, 55-59, chmn. dept. mgt. tech, 59-60; instr, sch. eng. & gen. studies, Columbia, 55-57, lectr. & instr, teachers col, 58-68; lectr. grad. sch. pub. admin, N.Y. Univ, 56-59. Consult, N.J. State Fech. Dist. Bds. Ed, 65-; Fedn. Protestant Wellare Agencies, New York, N.Y., 67-; Day Care Coun. N.Y, 69- U.S.A, 46-47. Soc. Training & Develop; Indust. Rels. Res. Asn; Asn. Higher Ed. Management development, action research and use of programed instruction, social research in education and welfare. Publ: Programmed instruction and its use in the public service, Pub. Personnel Rev, 4/66; Research frontlers for management training, Training & Develop, J, 6/67; Teacher militancy: a case study of contrasting view pointe, Columbia Univ. Teachers Col. Record, 1/69. Address: Dept. of Organizational & Social Sciences, Newark College of Engineering, Newark, N.J. 91702.
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- ZAVOS, DR. HARRY N. Speech. See 5th ed, Dir. Am. Scholars, Vol. II, Eng, Speech & Drama.
- ZAYNOR, PROF. WESLEY C(ARL), b. New Castle, Pa, June 16, 27; m. 55; c. 3. PSYCHOLOGY. B.A, Kent State, 51, M.A, 52; Ph.D. (psychol), Colo-

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- ZEMAITIS, ALGIRDAS JONAS ALEXIS. Political Economics. See L-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: Marketing Branch, Rural Institutions Division, Food & Agriculture Organization of the United Nations, Via delle Terme di Caracalla, Rome 00100, Italy.
- ZENHAUSERN, DR. ROBERT JOSEPH, b. New York, N.Y., Oct. 4, 38; m. 63; c. 2. PSYCHOLOGY. B.S. Fordham, 60, M.A. 63, Ph.D. (psychol), 69. Lectr. PSYCHOL, Fairleigh Dickinson, 62-63; instr, ST. JOHN'S (N.Y), 63-66, asst. prof, 66-69, ASSOC. PROF; 69- Lectr. Hunter Col., 62-63. AAAS, Psychol. Asn. Sensation, especially sensory interaction; perception, particularly visual illusions; psychophysiology, especially emotional changes. Publ: Co-auth, Application of signal detection theory to subliminal and supraliminal accessory stimulation, 28: 699-704, auth, Effects of perspective on two trapezoid illusions, 28: 1003-1009 & co-auth, Perception of mechanical causality, 30: 63-70, Perceptual & Motor Skills. Address: Dept. of Psychology, St. John's University, Jamaica, N.Y. 11432.
- ZENZ, DR. CARL. Industrial Medicine. See Suppl. V to 11th ed, Phys. & Biol. Vols.
- ZERFAS, DR. PHILIP GEORGE, b. Lake Odessa, Mich, Nov. 23, 35; m. 61; c. 3. CLINICAL PSYCHOLOGY, NEUROPSYCHOLOGY. A.B., Sacred Heart Sem, 57; M.A., Detroit, 60; Ph.D. (clin, nysychol, Indiana, 65; Intern clin, psychol, Vet. Admin. Hosp. & Ment. Hyg. Clin, Indianapolis, Ind. 62-64; NEUROPSYCHOLOGIST, MARSHFIELD CLIN, 64. Fel, sch. med, Wisconsin, 64-66, clin. instr., dept. neurol, 64. Consult, Winnebago Children's Home, Neulisvulle, Wis. 69. Psychol. Asn; Int. Neuropsychol. Soc. Learning disabilities; behavior modification; effects of neurologic diseases and conditions; psychological measurement. Publ: Co.-auth, The relationship of lateralized finger localization to Wechsier-Bellevue results, Am. J. Ment. Deficiency, 65; auth, Reading disabilities in bright children, Sci. Rev, 69. Address: Marshfield Clinic, Marshfield, Wis. 54449.
- ZERN, DR. DAVID SIMON, b. New York, N.Y., June 24, 41; m. 63; c. 1. DE-VELOPMENTAL PSYCHOLOGY. B.A., Harvard, 62, Ed.M. 64, U.S. Pub. Health Serv. traineeship, 64-67, Ph.D.(soc. psychol), 98. Res. assoc. continuous processors (M. Calanda, M. C. P. 198. S. 198. S
- ZERZAVY, DR. FREDERICK M. Obstetrics & Gynecology, Public Health Administration. See Suppl. VI to 11th ed, Phys. & Biol. Vols.
- ZIDE, DR. NORMAN H. Linguistics, Indology. See 5th ed, Dir. Am. Scholars, Vol. III, For. Lang, Ling. & Philol.
- ZIDNAK, PROF. PETE. Business Administration, Human Relations. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. New information: Also chmn, 68-, Mangower Administration Dept, School of Business, San Jose State College, San Jose, Calif. 95114.

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- ZLIDERVELD, DR. ANTON C, b. Malang, Indonesia, Nov. 21, 37; m. 67; c. 2. SOCIOLOGY, RELIGION. ST.M. Utrecht, 63; ST.M. Hartford Sem. Found, 64; Ph.D.(sociol), Leiden, 66. Asst. prof. sociol, Wagmer Col, 66-68; SIR GEORGE WILLIAMS, 68-70, ASSOC. PROF. SOCIOL. & RELIG, 70- Sociological theory; social philosophy and ethics. Publ: Institutionalisering, Paul Brand, Rólland, 66; The abstract society, Doubleday, 70. Address: Dept. of Sociology, Sir George Williams University, Montreal, Que, Can.
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- ZIMMERMAN, DR. THOMAS FLETCHER, III, b. South Bend, Ind, Feb. 11, 38; m. 62; c. 1. PSYCHOLOGY. B.A, Evangel Col, 59; M.S, Missouri, 61; Ph.D (psychol), Oregon, 66. Asst. prof. psychait. & med. psychol, sch. med. Missouri, 66-68; asst. dir. dept. allied med. prof. AM. MED. ASN, 68-69. DIR. DEPT. HEALTH MANPOWER, 69. Res. assoc. health & ment. health. Inst. Community Studies, 66-68; proj. dir. Kansas City Asn. Trusts & Founds, Health Careers Res. & Develop. Proj. 67-68. Res. consult, Truman Lab, Kansas City Gen. Hosp, 67-68; consult, Jackson County Pub. Hosp, 67-68. Psychol. Asn. Health manpower; systems analysis; medical ethics; problems of aging. Publ: Co-auth, Public attitudes and diagnosis of death, J. Am. Med. Asn, 11/68 & Human subjects in clinical research: a report of three studies, New Eng. J. Med, 12/68; auth, Latticing and laddering: trends in the allied health sciences, Am. J. Occup. Ther, 3/70. Address: American Medical Association, 535 N. Dearborn, Chicago, Ill. 60610.
- ZINAM, DR. OLEG. Economics, Sociology. See L.-Z Vol, 11th ed, Soc. & Behav. Vols. Change of address: 2824 Austin Terr, Cincinnati, Ohio 45220.
- ZINCONE, DR. LOUIS H, JR, b. Richmond, Va, Jan. 4, 41; m. 63; c. 2. ECO-NOMICS. B. A, Richmond, 63; Ph.D. (econ), Virginia, 67. PROF. ECON, EAST CAROLINA, 66- Econ. Asn. Public finance; public choice. Publ: The real balance effect, Indian Econ. J. Address: Box 2767, East Carolina University, Greenville, N. C. 27834.
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- ZINSER, DR. JAMES EDWARD, b. Baltimore, Md, Oct. 13, 39. ECONOMICS. B.S, Bradley, 62; M.A. & Ph.D. (econ), Oregon, 67. Instr. ECON, Oregon, 66-67; ASST. PROF. OBERLIN COL., 67-80c. Sci. Res. Coun, grant, Argentina, 69-70. Econ. Asn. United States private foreign investment. Publ: Alternative means of meeting Argentina's petroleum demand, In: United States foreign investment in petroleum and mineral industries, Johns Hopkins Univ, 70. Address: Dept. of Economics, Oberlin College, Oberlin, Ohio 44074.
- ZION, DR. WILLIAM P. Religion. See 5th ed, Dir. Am. Scholars, Vol. IV, Philos, Relig. & Law.
- ZIVKOVICH, DR. PAUL. Business Management. See L-Z Vol, 11th ed, Soc. & Behav. Vols. New position & address: V.pres. & group exec, 69-Whittaker Corp, 9229 Sunset Blvd, Los Angeles, Calif. 90069.
- ZLOTNICK, JACK. Economics, International Relations. See L-Z Vol., 11th ed, Soc. & Behav. Vols. New position: Economist, Anal. Serv, Inc, 69-Address: 211 James Thurber Court, Falls Church, Va. 22046.
- ZOBEL, DR. HERBERT LAWRENCE, b. Chicago, Ill, Nov. 17, 24; m. 48; c. 2. GEOGRAPHY, EDUCATION. B.S, Ill. State Norm. Univ, 48, M.S, 49; M.A, Northwestern, 60; Ph.D. Igeog, ed), Michigan, 64. Teacher, pub. sch, Ill, 49-50; asst, phys. geog, Northwestern, 51-52; asst, prof. geog. & supv. teacher, univ. high sch, Western Illinois, 52-53; teacher, Cleveland Sch, Ill, 54-55; instr. earth sci, Joliet Twp. High Sch. & Jr. Col, Ill, 55-57; from asst, prof. to assoc. prof. geog. Eastern Michigan, 57-64; res. assoc. geog. & soc. sci, Ed. Res. Coun. Am, 64-66; ASSOC. PROF. GEOG. KENT STATE, 66- Lectr, Case Western Reserve, 67-69; Lake Erie Col, summer 68. Fel.

- & life mem, Nat. Coun. Geog. Ed, Ill, Mich. & Ohio coordinator, 50-U.S.A.A.F., 44-46. AAAS; Asn. Am. Geog; Royal Can. Geog. Soc. Improvement of instructional materials in geography, earth science and social sciences at all grade levels and at the college and university level; improvement of teaching of these areas of specialization at all academic levels. Publ: Mid-America panorama, Nystrom, 69; High school geography textbooks Mid-Maraham and the college and the college continuation of the companion of the college (School College and College College). Geog. 61: Michigan In The are book of knowledge. Croller, 65. Address: Dept. of Geography, Kenl State University, Kenl, Ohio 44240.
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- ology and etiology of problem behavior; personality assessment. Publ: Birth order, anxiety and affiliation during a crisis, J. Personality & Soc. Psychol, 4: 364-369; Sex-role identity patterns and drinking behavior of adolescents, Quart. J. Studies on Alcohol, 29: 868-864; Masculinity-femininity in fantasy preference: an indirect approach, J. Proj. Techniques & Personality Assessment, 22: 424-432. Address: Dept. of Psychology, Michigan State University, East Lansing, Mich. 48623.
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- ZWISSLER, DR. MELVIN MICHAEL, b. Cincinnati, Ohio, May 31, 34; m. 63; c. 3. PSYCHOLOGY. B.S, Xavier (Ohio), 58; M.A, Detroit, 60; Ph.D. (psychol), Purdue, 66. Staff psychologist, Evansville State Hosp, Ind, 66.6-61; Vigo County Adult & Child Guid. Clin, Terre Haute, 64-66; Ment. Health Center of St. Joseph County, South Bend, 66-68; DIR. PSYCHOL. SERV, ROLLMAN PSYCHALT. INST, CINCINNATI, 68-Assoc. lectr., Indiana Univ. Exten, South Bend, 66-68; adi, asst. prof., Univ. Cincinnati, 68- Consult. psychologist, U.S. Pentientiary, Terre Haute & consult. diagnostician, Voc. Rehab, 64-66; Indiana State, 66-68; consult. psychologist, Proj. Head Start, South Bend, 67-68; Besty Mem. Hosp, Westville, Ind, 68. Med.Serv.C, U.S.A, 58-67, Capt. Psychol. Asn. Publ: Co-auth, Apparatus for the study of apparent motion thresholds, Perceptual & Motor Skills, 63. Address: 2780 Beecher Falls Court, Cincinnati, Ohio 45238.

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